As graduate students, you face a variety of writing tasks throughout your chosen degree programs. Naturally, these tasks will rate from one degree program to another. They are, however, similar in two respects tasks become progressively more complex and demanding in the program. Second, in general they need through certain assigned writing in on (such as teaching reflection and the such as teaching reflection). tasks that may be required in the earlier stages of a graduate career. In the last two units, we look a little farther ahead.

This opening unit is different from the others since it does not focus on a particular type of text instead, we try to help you reflect upon a variety of aspects of academic writing, ranging from style to some sociological, cultural, and rhetorical issues. Overall, we are primarily concerned with your "positioning as a writer—the means by which you create in writing a credible image as a competent member of your chosen discipline. We begin with COPYright (C) a focus on your writing strategies.

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# **TASK ONE**

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	mark (✓)	nesse possible writing strategies with a partner. Put a check next to those writing strategies that you use a lot. If you never use some of the strategies, discuss why you do not.  Translating, if you use English as an international language  Spending a lot of time on gathering information or doing research and then quickly writing your paper from your
	1.	Translating, if you use English as an international language
	2.	Spending a lot of time on gathering information or doing research and then quickly writing your paper from your notes, data sources, or outlines
	3.	Referring to one or more "model" papers in your discipline, noticing in particular such matters as how the papers are organized, how phrases are used, and where and why examples or illustrations are provided
	4.	Relying on a mentor (either native or non-native speaker) who "knows the ropes" and can anticipate how a particular written text might be received by a particular set of readers or reviewers, who may also be able to offer advice on which journal or conference a piece might be submitted to and why
	5.	Relying on friends who are not in your field to help you with phraseology
	6.	Developing Usense of the anticipated audience, particularly with regard to what needs to be said and what does not
		Recognizing the need for some stylistic variation and acquiring the linguistic resources to achieve this
		Finding useful phraseology from other, possibly published papers and using it to string your ideas together
	9.	Constructing an appropriate author "persona," so that you come across as a member of the disciplinary community
COPylic	10.	Concentrating on making sure your sentence-level grammar is accurate because that is the most important aspect of getting your ideas across
I		

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> Understanding your writing strategies is important in becoming a confident writer. To help you explore your strategies further, we offer Task Two.

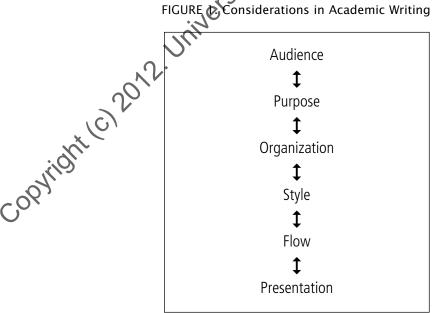
### TASK TWO

- 1. What is your main writing strategy? Why do you use it? What one other strategy apart from those on the list do you use? Are your strategies dependent on the type of text your.

  2. Which of the strategies?
- to develop? And how might you go about developing it?
- 3. Do you think strategies listed in Task One apply equally well to all fields? How might they vary in importance for an author in Physics, History, Economics, Public Health, or Engineering? Which of them is most important in your own field?

As you may already realize, academic writing is a product of many considerations: audience, purpose, organization, style, flow, and presentation (see Figure 1).

FIGURE Considerations in Academic Writing



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Academic Writing for Graduate Students, 3rd Edition: Essential Skills and Tasks John M. Swales & Christine B. Feak http://www.press.umich.edu/titleDetailDesc.do?id=2173936

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**Audience** 

Even before you write, you need to consider your audience. The audience for most graduate students will be an instructor, who is presumably quite sors, thesis committees, and those who will review research you may want to present at a conference or publish in a paper. Your understanding of your audience will affect the content of your writing.

TASK THREE

Read these excerpts from two longer texts that discuss obtaining water from salt water.

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a partner. For whom were they written? What aspects of each text helped you decide the audience? In what kind of publication would you expect to find these texts? Sentence numbers have been added here (and in subsequent texts throughout the book) for ease of reference. Then answer the more specific questions that appear on page 5.

- A. People have been pulling freshwater out of the oceans for centuries using technologies that involve evaporation, which leaves the salts and other unwanted constituents behind.
  - 2 Salty source water is heated to speed evaporation, and the evaporated water is then trapped and distilled. 3 This process works well but requires large quantities of heat energy, and cost Dave been far too high for nearly all but the wealthiest nations, such as Kuwait and Saudi Arabia. (One exception is the island of Curaçao in the Netherlands Antilles, which has provided continuous municipal supplies using desalination since 1928.) 6 To make the process more affordable, modern distillation plants recycle heat from the evaporation step.

5

**6** A potentially cheaper technology called membrane desalination may expand the role of desalination worldwide, which today accounts for less than 0.2 percent of the water withdrawn from natural sources. **9** Membrane desalination relies on reverse osmosis—a process in which a thin, semipermeable membrane is placed between a volume of saltwater and a volume of freshwater. **9** The water on the salty side is highly pressurized to drive water molecules, but not salt and other impurities, to the pure side. **9** In essence, this process pushes freshwater of saltwater. (Martindale, 2001)

- B. Reverse osmosis (RO) membrane systems are often used for seawater and brackish water desalination. The systems are typically installed as a network of modules that must be designed to meet the technical, environmental, and economic requirements of the separation process. The complete optimization of an RO network includes the optimal design of both the individual module structure and the network configuration.
  - ♠ For a given application, the choice and design of a particular module geometry depends on a number of factors, including ease and cost of module manufacture, energy efficiency, fouling tendency, required recovery, and capital cost of auxiliary equipment. ⑤ With suitable transport equations to predict the physical performance of the membrane module, it should be possible to obtain an optimal module structure for any given application. (Maskan et al., 2000)

. How do the texts differ in terms of vocabulary?

- 2. How do the texts differ in terms of detail?
- 3. Where do the definitions of *reverse osmosis* appear? How do these definitions differ?
- 4. Do the texts appear to be well written? Why do you think so?

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The differences in the two texts reflect some of the assumptions that the authors have made about the typical reader's familiarity with the subject. In the first text, the author assumes the reader is probably not familiar with reverse osmosis and thus provides a fair amount of background information along with a clear definition of the process.

### TASK FOUR

Now write a short definition of a term in your field for two differents audiences. One audience could consist of graduate students in a totally unrelated field, while the other could be student own graduate program. Exchange was and discuss how there

Purpose and Strategy
Audience, purpose, and strategy are typically interconnected. If the audience knows less than the writer, the writer's purpose is often instructional (as in a textbook). If the audience knows more than the writer, the writer's purpose is usually to display familiarity, expertise, and intelligence. The latter is a common situation for the graduate student writer.

The interesting question that now arises is what strategy (or strategies) can a graduate student use to make a successful display. To explore this, let's consider the case of an international student who calls himself Sam in the United States. Sam is enrolled in a master's program in Public Health. He has nearly finished his first writing assignment, which focuses on the impact of video games on the cognitive development of children in the United States. This is a short five-page assignment rather than a major research paper. The deadline is approaching, and there is no more time for further data analysis. He wants to make a good impression with his concluding paragraph. He believes (rightly) that final impressions are important.

Sam (quite appropriately) begins his last paragraph by reminding his audience (i.e., his instructor) of what he has done in the paper.

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He begins as follows:

Conclusion

The aim of this paper has been to examine the impact of video As I have explained, video games can indeed account?

ences in cognitive abilities of pro-

ability to switch attention from one task to another.

He thinks, "This just repeats what I have already written; repeating makes it seem that I have nothing new or interesting here my paper falls flat at the end." Sam tries again. "This time," he says to himself, "I will take my results, summarize them, and then try to connect them to some wider issue. That's a better strategy." Here is his second version.

As the tables show, pre-adolescent children who play video games score better on tests of visual attention than those who do not. This relationship was quite strong among children between 10 and 12 years of age, while for children aged 6 to 9 the association was not so pronounced. Children who were very good at playing video games, mostly those who are older, appear to be able to effectively switch attention. These findings support the conclusion of other studies that playing video games may not simply be a mindless activity; instead video games can enhance the cognitive skills of gamers.

Sam likes this version; however, he is also worried. He knows—but he has not said so anywhere in the paper yet—that there is a problem with the data he has been using. He knows that there are many types of video games and so the effects of one game on cognitive development may be quite different from those of another. For instance, shooting video games are not the same as sports video games. And even within the same game genre there is variation in terms of the skills that are needed to play. Luckily, he is not using his own research data for this assignment; he is using data that he has found in journal articles.

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He now adds this to his concluding paragraph.

The conclusions presented here, however, should be interpreted cautiously. This is because the data presented here are based on

Sam is feeling somewhat unsure of his conclusion and is now asking himself the following questions: "Have I been too cautious in my conclusion use appear to, may, and can? Is it actually better to electer? Will I are ter? Will I appear more or less capable by discussing the limitations of the data? And if I do discuss them, should I do so right at the end or at the beginning of my conclusions? In effect, how should I position myself as a Michigan junior graduate student?"

#### TASK FIVE

What advice would you give Sam? Consider the questions he raises about the strength of his points and the inclusion of limitations. Write this in a paragraph of two. Then edit or re-write his final paragraph to reflect your advice.

# Organization

Readers have the expectation that information will be presented in a structured format that is appropriate for the particular type of text. Even short pieces of writing have regular, predictable patterns of organization. You can take advantage of these patterns, so that readers can still follow, even if you 🗖 ake some language errors.

Although our goal in this text is not to work on letter writing, we would like to begin our discussion of organization by looking at two letters that may, in fact, resemble letters or email you have received at some point in your academic career. Each letter has a clear, predictable pattern of organization. The first is a good-news letter.

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Dear Ms. Wong:

Thank you for your interest in our university.

On behalf of the Dean of the Graduate School, I congratulate you on being accepted to the program in Aerospace Engineering to begin study at the master level. This letter is your official authorization to register for Fall 20XX. As a reflection of the importance the Graduate School places on the ability of its students to communicate effectively, the Graduate School requires all new students whose native language is not English to have their English evaluated. Specific details for this procedure are given in the enclosed information packet.

We look forward to welcoming you to Midwestern University and wish you success in your academic career.

Parts

Greeting

Mrights reserved Acknowledgment

Good news

Welcoming close that points to the future

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#### TASK SIX

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Read the bad-news letter, and label the four parts: greeting, prepara-

Parts

Pa your excellent qualifications, I trust you will be able to pursue your academic interests elsewhere and wish you luck in your further endeavors.

You are already likely aware that academic writers employ a variety of organizational patterns. You are already familiar with external organization features, such as chapters, sections, and paragraphs. As you work your way through this book, you will become familiar with the various approaches to internal organization as well. One very common strategy that is foundaMichigan ELT, 2012 1: AN APPROACH TO ACADEMIC WRITING

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tional to academic writing is to organize information in terms of problems and solutions (Hoey, 1983). This pattern usually has four parts. Can you identify them in this next task?

#### TASK SEVEN

Draw boxes around and label the four parts of this problem-solution text (situation, problem, solution, and evaluation). After marking the text, answer the questions on page 12.

• As standards of living rise and the demands for f

demands for freshwater have been increasing. 2 Along with this increase is growing pressure to protect this precious resource.

3 Efforts to protect the water supply have traditionally focused on regulating industrial and municipal waste that is discharged into rivers and lakes. A However, in recent years researchers have identified a new threat to world freshwater supplies. 6 Studies have identified in freshwater around the world a number of medicinal drugs, ranging from painkillers such as acetaminophen, to antibiotics, to cholesterol absorption inhibitors. 6 These drugs easily enter the water supply when they are eliminated through digestion or improperly disposed of by directly flushing them down a toilet. • Although the amount of these drugs in freshwater supplies is small (a few parts per billion or trillion), their impact on the freshwater supply and on human health has yet to be established.

@ Given this uncertainty, efforts are underway to address this problem. 9 One simple, inexpensive approach involves educating sonsumers about proper medication disposal methods. @ This effort involves educating consumers to be made aware that medicines should not be poured into a sink or flushed, but should be discarded through local drug collection programs. • For example, many pharmacies collect unused or unwanted medicines and some communities have special medicine collection sites. 12 With increased education, consumers can dispose of medication properly and help protect freshwater resources.

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1. How serious does the author perceive the problem to be? How did you determine this? To what extent is this a global problem?

- 2. What does the author think of the solution? What do you think of the solution?

#### TASK EIGHT

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Here is another passage with the same structure. Read it and answer the questions on page 13.

• Ghana is located on West Africa's Gulf of C Equator. • Unlike many poor "

14 million has c annually. 3 This growth has largely been attributed to the 2007 discovery of a major oil field off the coast and to Ghana's position as a leading gold producer. A Ghana has also emerged as an important center for e-waste recycling and disposal, an industry that contributes more than US\$200 million into the economy. 6 E-waste consists of electronic devices typically from Europe and North America that have been discarded, but still have some value.

6 E-waste has been said to provide opportunities for employment, poverty alleviation, recycling business developments, and may even bridge the digital divide by contributing to the country's growing demand for information technology. 

However, this industry also poses environmental and health risks that cannot be ignored.

3 The largest e-waste recycling and disposal center is located in the capital city of Accra and is adjacent to the Agbogbloshie Food Market. 9 At this site recyclers disassemble electronics to retrieve valuable metals (for example, gold) or burn items covered with plastic (for example, computer wires) to recover metals such as copper and aluminum. These processes expose workers and others living near the e-waste site to toxic materials including plastics, lead, aluminum, and silica that are known to cause cancers and central nervous system damage among other health problems.

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• One way to address e-waste dangers is to install modern, sustainable recycling technology that can drastically reduce exposures to toxins. 10 One drawback to this approach, however, centers Thus, rather than placing all of the respondant facturers could be persuaded to examine their own practices the determine ways to lower the risks associated with e-waste. around who should be responsible for the cost of installing such

- 2. What assumptions does the author make about the background knowledge of the audience?

- 4. How is the problem introduced.

  5. To what does 4' 5. To what does this growth in Sentence 3 refer? What are these processes in Sentence 10? To what does this approach in Sentence 12 refer? What is the effect of these particular expressions on the flow of ideas?
- 6. What does the author think of the two solutions?
- 7. If the writer had thought that the second solution would not work, what might she have written for the last sentence? In such a case, would this last sentence be enough to complete the text? If not, what would need to be added?

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In addition to the problem-solution structure, some other ways of organizing information include the following.

- Comparison-contrast (see Unit Five)
- Cause-effect (focusing on one cause and multiple effects as in an earth-
- Classification [categorizing, as suggested by this example: "Earthquake effects on underground structures can be grouped into two categories" (1) ground shaking and (2) ground failure on 1 displacement and 1 displacement, and slope instability." Note the cause-effect aspect of this as well.]

Research paper introductions in your field might also follow an established organizational pattern. Introductions are addressed in Unit Eight.

Style

Academic writers need to be sure that their communications are written in the appropriate style. The style of a particular piece should not only be consistent but also be suitable both in terms of the message being conveyed and the audience. A formal research report written in informal, conversational English may be considered too simplistic, even if the actual ideas and/or data are complex.

One difficulty in using the appropriate style is knowing what is considered academic and what is not. The grammar-check tool on your word processing program clikely not of much help in this matter since such programs are written primarily to find spelling and basic grammar errors and not to offer tylistic advice for academic writers. Moreover, what little stylistic advice of offered may not be right for what you are writing. For example, contract to what your grammar checker might suggest, if you are describing a procedure or process, you can and probably even should use passive voice in many cases.

Deciding what is academic or not is further complicated by the fact that academic style differs from one area of study to another. For instance, contractions (e.g., don't) may be used in Philosophy but are not widely used in many other fields. And, as noted in a study by Chang and Swales (1999), 1: AN APPROACH TO ACADEMIC WRITING

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some authors often use informal elements such as sentence-initial *but*; imperatives (as in the common expression *consider the case of . . .*); and the use of *I*. In the case of *I*, we see quite a bit of disciplinary variation. It is less commonly used in Computer Science papers (5.6 per 10,000 words in the Michigan Corpus of Upper-level Student Papers—MICUSP) but is frequent in Philosophy (53.9 occurrences per 10,000 words in MICUSP). Other fields lie somewhere in between those two. All this variation contributes to even more confusion when trying to determine what is "academic."

Finally, academic style is not used in all academic settings. Research based on the Michigan Corpus of Spoken Academic English (MICASE) shows that academic and research speech, in linguistic terms, is much more like casual conversation than written academic English. It is not procommon to hear U.S. lecturers use words and phrases like *stuff*, *things*, *a bit*, *bunch*, or *a whole lot of*, which we would not expect to find in a written academic text. They may also use elaborate metaphors and other vivid expressions to enliven their speaking style. (For some examples of spoken academic English, check MICASE at <a href="https://www.elicorpora.info">www.elicorpora.info</a>)

### **TASK NINE**

Find and download two or three journal articles from your field that you think are well written. The articles do not necessarily have to be written by native speakers of English; however, they should be typical research articles in your field—not book reviews, editorial commentaries or trade magazine articles from a publication with extensive advertising. If you are having difficulty deciding whether you have the right kind of article, ask your instructor for assistance. Bring your articles to class so that you can reference them and gain an understanding of the writing conventions in your field.

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# **Cross-Cultural Differences in Academic Language**

Over the past two decades, there has been considerable interest in tracing similarities and differences in academic language. Because of the dominating position of academic English prose and because of the wish of many people to Malay, Polish, Spanish, and Swedish. Simplifying somewhat, the overall conclusions point in one basic direction: academic English, especially academic English, has several features that place? academic English, has several features that place it toward one end of a number of continua.

TASK TEN

Put a check mark (✓) next to the items that you think are typical of academic writing in English. If you are familiar with another academic language, also mark those points that you think are consistent and inconsistent in academic writing in that other language. Are the differences, if any, strong, or does it seem to you that the academic languages are more similar than different? To what extent should you incorporate the features in the list into your own writing?

U.S. academic English in comparison to other academic languages, can be considered to

Suasco	,	ar be considered to
	1.	be more explicit about its structure and purposes (i.e., contains a noticeable amount of metadiscourse)
		(i.e., contains a noticeable amount of metadiscourse)
	2.	be less tolerant of asides or digressions
	\$	use fairly short sentences with less complicated grammar
76	4.	have stricter conventions for subsections and their titles
1/6	5.	contain more citations
	6.	rely more on recent citations
	7.	have longer paragraphs (in terms of number of words)
	8.	point more explicitly to "gaps" or "weaknesses" in the previous research
	9.	use more sentence connectors (words like however)

\_ 10. place the responsibility for clarity and understanding on

the writer rather than the reader

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Now let's explore some additional points that you can think about when working on your writing style. If you search for "academic style" on the internet, you may or may not be surprised at the roughly 260,000 hits. Clearly, a lot of people have a lot to say about this topic. You will find pages of things to do and not do (for instance, never use *I*, but do use references to support your points); pages telling you to forget about the "rules"; and other pages that describe what academic style is and is not (e.g., academic style is formal and not casual; it is not about using big words). Although many per spectives on academic style are available, much of the advice is vague, conflicting, and often based on personal preference rather than research. Thus, it should come as no surprise that, despite a sizeable amount of research, academic writing is in fact "poorly understood by teachers and students alike" (Lillis, 1999). So, where do we begin?

In this Language Focus section, we will present some more specific ideas about the characteristics of academic style for you to consider. You may wish to incorporate some of these points into your writing and ignore others. In the end, our purpose here is for you to think more about your stylistic choices as you write and to help you realize that good academic writers make many stylistic choices as they write.



# Language Focus The Vocabulary Shift—Verbs

English often has two (or more) choices to express an action or occurrence. The choice is often between a phrasal (verb + particle) or prepositional verb (verb + preposition) and a single verb, the latter with Latinate origins. In lectures and other instances of everyday spoken English, the verb + preposition is often used; however, for written academic style, there is a tendency for academic writers to use a single verb when possible. In some fields this is a very noticeable stylistic characteristic. Here is an example.

Given our fast-paced society, people must routinely **put** creative solutions to unexpected problems **into practice.** 

Given our fast-paced society, people must routinely **implement** creative solutions to unexpected problems.

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## **TASK ELEVEN**

Choose a verb from the list to replace each verb in italics to reduce the informality of the sentence. Note that you may need to add tense to the verb from the list. Write down any other single verbs tl

consider	decrease	develop	investigate	reach		
constitute	determine	eliminate	maintain	reach tolerate		
with wide	espread copyr	ight violations	eloped countrie in less develop their products	ed countries		
	port and deliv	er a drug pred	drug delivery s isely and safely			
in our cu	The purpose of this paper is to try to figure out what is lacking in our current understanding of corrosion and corrosion protection in concrete.					
that can o	. Researchers have <i>come up with</i> plug-in hybrid vehicles (PHEV) that can draw from two sources of energy: stored electrical energy from the grid and stored chemical energy in the form of fuel such as gasoline.					
	Rice and aquatic products <i>make up</i> a major part of the diet of the people in the Mekong Delta, Vietnam.					
6. The use of problems	of touch scree associated wi	n voting system th traditional	ns could <i>get rie</i> paper-based ba	d of many llots.		
	_	on of pesticides	has gone up to	2.6 million		

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8. Although labor unions in the U.S. have been able to keep up their membership numbers over the last two decades, they have been losing their political strength. All rights reserved 9. The number of mature female green turtles that return to their primary nesting beach has gone down from 1,280 ten years ago to 145 today. 10. Many funding agencies worldwide are thinking about ways to give new researchers greater opportunities to receive grant money. TASK TWELVE In the space provided, write a few single verbs that could be used in place of the one in italics. In each case, try to find two or three possibilities and be prepared to discuss them. 1. Researchers have come up with a number of models to describe the effect of certain cola drinks on dental enamel erosion. 2. AIDS researchers have *run into* a variety of unexpected problems in their efforts to develop an effective vaccine. 3. Recent studies on car scrapping have brought up the important question as to whether CO<sub>2</sub> emissions can be significantly reduced by taking old cars out of service. Problems with the new data management software showed up soon after it was launched. 5. In the past five years, many studies have looked at the effect of

different grassland management practices.

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### Language Focus: The Vocabulary Shift-Nouns and Other Parts of Speech

English has a very rich vocabulary derived from many languages. Because of this, there may be more than one way to express an idea. When several alternatives are available, choose the one that most efficiently and accurately gets your point across.

m ruea. When several alterune one that most efficiently and accurately gets
une point across.

You may have also noticed that in many academic texts there is an abunce of rather long noun phrases, which tend to carry a lot of meaning her compact form. For instance, we can store and on the simple no dance of rather long noun phrases, which tend to carry a lot of meaning in a rather compact form. For instance, we can start with the word language and expand on the simple noun in this way.

language

the language of scientific communication

the international language of scientific communication

English as the international language of scientific communication

the emergence of English as the international language of scientific communication

Thus, it is possible to write

The emergence of English as the international language of scientific communication has been widely documented.

opposed to

English has emerged as the international language of scientific communication. This phenomenon has been widely documented.

The first example contains a very long noun phrase, a nominalization. Which of the two sentences do you prefer? Why? Which do you think would be more similar to writing in your field? What, if anything, do you think is gained or lost by nominalizing?

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### TASK THIRTEEN

Which of the italicized expressions might be more suitable for an academic paper? Can you think of additional alternatives?

- is reserved 1. Crash test dummies are really important for | an integral part of automotive crash tests.
- 2. According to a recent study just about / nearly 25% of all cell phone users view text messaging as an important source of entertainment.
- 3. There has been a lot of considerable interest in how background sounds such as music affect an individual's ability to concentrate.
- 4. We obtained robust / nice results using structural bamboo rather than timber.
- 5. Consumer interest in electronic billing and payment is getting bigger and bigger / increasing.

Of course, when you are offered the choice between two alternatives, the more academic choice may be fairly clear. The more difficult task is making good language choices on your own. We have helped you a bit in this next part of the task by italicizing the phrases that you could change. You may need to make other changes so that the sentence is still grammatical.

- 6. The competition faced by U.S. growers from imports of fresh vegetables has gotten more intense.
- Many urban areas do not have enough land to build new public schools.
- 8. Allergic reactions to local dental anesthesia do not happen very often.
- 9. The doors on these ferries were made bigger to make it easier to load and unload vehicles.

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### Language Focus: Other Stylistic Features

While you may prefer to closely follow the stylistic conventions of your field, you may also want to seek ways to "push gently at the boundaries of convention" (Casanave, 2010), more strongly position yourself, and create your scholarly identity. What follows are some other considerations that you can investigate and possibly incorporate in your academic writing style. These are not rules to follow, but rather choices you can make.

1. As indicated earlier, single authors in

1. As indicated earlier, single authors in some fields use the first person pronoun *I* (note that in some Engineering and hard science fields, single authors may choose *we*, given the collaborative nature of research in these areas). *We*, of course, is common in co-authored papers, which are increasingly the norm in publications. Research indicates that *I* or *we* can be used in academic writing, but many new authors are very reluctant to use *I*.

In this paper I argue that small incentives can lead to greater participation in surveys. incentives can lead to greater participation in surveys.

2. Again we remind you that in a few fields contractions may be common; in most key are not.

Export figures won't improve until the economy is stronger.

Export figures will not improve until the economy is stronger.

3. Some authors prefer some negative forms over others, believing that those on the right are more academic.

Not . . . any

The analysis didn't yield any new results.

Not . . . much

The government didn't allocate much funding for the program.

no

The analysis yielded *no* new results.

little

The government allocated *little* funding for the program.

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Not . . . many
This problem doesn't have
many sustainable solutions.

few
This problem has few
sustainable solutions.

4. Some readers (for example, journal editors) object to the use of vague expressions such as *and so forth* and *etc*. These expressions may sometimes be used, but keep in mind that they are imprecise and require readers to "fill in" the missing information.

Micropumps can be used in drug delivery, lab-on-a-chip analysis, etc.

Micropumps can be used in drug delivery, lab on a chip analysis, ink dispensing, and other specialized applications that require self-contained, low power miniature pumps.

5. In many fields writers typically avoid addressing the reader as *you* (except, of course, if you are writing a extbook or other instructional materials). Note that this means you may need to use passive voice.

You can see the results in Table 1.

The results *can be seen* in Table 1.

6. Sometimes the use of a direct question can be a very effective means to draw your readers attention to a point. This may be particularly useful when laying out an argument or research questions to be answered. However, indirect questions, such as those on the right, are likely more common.

Why has antibiotic resistance increased?

Many studies have investigated why antibiotic resistance has increased.

or

It is important to understand why antibiotic resistance has increased.

or

It remains unclear why antibiotic resistance has increased.

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7. Adverb placement might be important. Often in academic writing adverbs are placed in mid-position rather than in the initial or final positions of sentences. In other contexts, English adverbs often occur at the beginning or end of sentences.

This model was developed by the International Monetary Fund (IMF) originally and was adapted by Lalonde and Muir (2007) later.

Then the morphology of the samples was analyzed using a scanning electron microscope (SEM).

This model was *originally* developed by the International Monetary Fund (IMF) and was later adapted by Lalonde and Muir (2007).

The morphology of the samples was *then* analyzed using a scanning electron microscope (SEM).

8. Consider whether you should split infinitives (to + verb). The prescriptive view of grammar condemns the use of split infinitives (placing an adverbial modifier between to and the infinitive as in to sharply rise). Although we would agree that split infinitives are not so common in some areas of academic writing, they are sometimes used, particularly to avoid awkwardness or ambiguity. (Both Chris and John regularly use split infinitives in their writing.)

We need to adequate meet the needs of those enrolled in the program.

Neural networks have the ability to correctly classify new patterns.

The size of the container could be modified to downwardly adjust the portion size and amount of consumption.

We need to meet the needs of those enrolled in the program adequately.

Neural networks have the ability to classify correctly new patterns.

The size of the container could be modified to adjust the portion size and amount of consumption downwardly.

The examples on the left came from published papers, while the versions on the right have been rewritten to eliminate the split infinitives. Can you guess why the authors chose to split the infinitives?

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9. Use as many words as you need to express your points, but try not to use too many words. If you are wordy, readers may have difficulty following your point.

It may be difficult to make a decision about the method that should be used.

There are some inorganic materials that can be used in shown great promise in tissue engineering by tissue engineering. bioengineers in the process of tissue engineering that have been shown to be very promising.

10. Consider using both active and passive voices are used in academic writing: the leave is to choose the second of the leave is to choose the leave is to choose the second of the leave is to choose the leave is to choose the second of the leave is to choose the leave i

Some inorganic materials have shown great promise in tissue engineering.

voices are used in academic writing; the key is to choose the right voice for the right purpose. Although grammar checkers may caution against using passive voice, it is commonly used in academic writing. (See Unit Three for more discussion.)

In summary, most of our comments about grammar and language have been designed to help you think bout the sentence-level choices that may contribute to the development of your own style. The vocabulary shift and some other
susistent
and as an aut
examined! of the other features we have mentioned are more important for maintaining a consistent academic style and for positioning yourself as knowledgeable and as an authority. In fact, you may remember that Sam wrote, I have

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### TASK FOURTEEN

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Let's suppose that you want to follow the considerations listed in the Language Focus on pages 22-25. How would you revise these

- To addition to herbs, animal products are employed in some of traditional medicine frequently.

  4. So far there hasn't been much research on the level of trust and received.
- 5. There are several studies in Epidemiology that have shown that when people consume alcohol in moderate amounts they have a lower risk of developing heart disease in comparison to those people who drink a lot of alcohol.
- 6. Developed by computer scientists in the 1980s, data mining is a collection of methods aiming to understand and make money from the massive data sets being collected by supermarket scanners, weather buoys, intelligence satellites, and so on.

Work with a partner and look through the articles you chose for Task Nine. Can you find examples that demonstrate how the authors dealt with the stylistic considerations as well as the possible need to be cautious, as in the case of Sam? More importantly, can you offer explanations as to why certain stylistic choices were made and how these might relate to the author's purpose? Use the chart on page 27 to guide your analysis.

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may, appear to, or other language that softens a point

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**Article Analysis** University of Michigan Press. Minights reserved Do the articles Do you think contain In what part(s)? this is typical? examples of: I / we contractions more formal negatives etc., and so forth, and so on addressing the reader as you indirect questions mid-position adverbs split infinitives too many wo passive voice

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#### TASK FIFTEEN

Now that you have become more familiar with some of the possible stylistic features of academic writing, write a one-page problem-solution text about a problem in a country that you are familiar with. Try to choose a problem unique to that country. Refer, if you like, to the text in Task Eight. Your audience is a group of professors and students interested in your selected country. Consider the style points on pages 16–25 as you write.

To conclude this extensive discussion on vocabulary and style, we now turn our attention to the use of the internet and online tools that may help you become more familiar with commonly used expressions of standard phrase-ology. Standard phraseology consists of expressions that are typical of academic writing across many disciplines. Many authors new to academic writing want to have some knowledge of these expressions as well as an understanding of what can be borrowed.

# Using Google Scholar to Identify Potentially Useful Words and Phrases

- 1. Go to http://scholar.google.com/.
- 2. In the search box, place quotation marks around a phrase that you want to learn to use. For instance, you might want to find ways to use "In recent years there has been interest in . . . ." You might want to know what kind of modifiers can be used before *interest*. Place an asterist before *interest*. This search will yield the phrase along with words that come before *interest*. To narrow your search, you can add another topic. For instance, your area may be electric vehicles. Your search would then look something like this.

"In recent years, there has been \* interest in" "electric vehicle"

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A search in 2011 produced one screen that included this information.

### FIGURE 2. Sample Google Scholar Results

#### A novel design of a heat exchanger for a metal-hydrogen reactor

S Mellouli, F Askri, H Dhaou, A Jemni... - International Journal of ..., 2007 - Elsevier ... such as hydrogen which is especially attractive for electric vehicle use. Over the last decade, world wide interest in the use of hydrogen has led to much research interest on its storage and usage [1], [2] and [3]. In recent years, there has been increasing interest in using metal ... Cited by 33 - Related articles - All 3 versions

#### A hybrid controller design for parallel hybrid electric vehicle

reserved W Li, G Xu, Z Wang... - Integration Technology, 2007. ICIT' ..., 2007 - ieeexplore.ieee.org ... In recent years there has been considerable interest in using hybrid system theory to develop
a systematic framework for the analysis and design of a systematic framework for the analysis and design of ... The hybrid electric vehicle systems contain interacting dis- crete and continuous dynamics, and exhibit simultaneously several ... Cited by 7 - Related articles - Availability at UMichigan - Availability at UMichigan -

#### Design of interior PM machines for field-weakening applications

WL Soong, S Han... - Electrical Machines and ..., 2007 - ieeexplore.ieee.org ... In recent years there has been increasing interest in the use of concentrated winding stators for both interior [10] and surface PM rotors [8]. Surface PM machines using distributed winding ... The first application is for an electric vehicle traction motor. ... Cited by 5 - Related articles - Availability at UMichigan - All 4 vers

#### Adaptive proportional-integral-derivative tuning slitting mode control for a shape memory alloy actuator

NT Tai... - Smart Materials and Structures, 2011 - iopschool iop.org interest in self-tuning these three controller gains: For example, the PID self-tuning method based on the relay feedback technique was presented for a class of systems [32, 33]. ... Related articles - Availability at UMichigan (All Versions

#### Design and test of a high-power high-efficiency loosely coupled planar wireless power transfer system

TEEE Transactions on, 2009 - ieeexplore.ieee.org ZN Low, RA Chinga, R Tseng... \_\_\_\_\_EEE Transactions on, 2009 - ieeexplore.ieee.org ... transfer. I. INTRODUCTION IN RECENT years, there has been increasing interest in research and development of wireless power technology [1] to eliminate the "last cable" after Wi-Fi becomes widely accepted. Wireless power ...

Cited by 13 - Related as Coes - Availability at UMichigan - All 2 versions

As you can see in Figure 2, adjectives that can modify interest are increas-

Other ways to use the internet to search for specific language examples include WebCorp LSE (<a href="www.webcorp.org.uk/index.html">www.webcorp.org.uk/index.html</a>), which can also search on the such as MICHSD to the search on the search of the internet. You can also search on the search of the internet. ten English (BAWE) corpus, or the Corpus of Contemporary American English (COCA). New corpora are being developed with great frequency, and you may want to periodically search the internet to see what is available. You can even create your own corpus of texts in your chosen field (or even

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from your own writing) that you can then analyze using online tools such as Compleat Lexical Tutor or freeware such as AntConc, a concordance program for Windows, Macintosh OS X, and Linux. While we cannot offer instruction on the use of these resources here, you will find that you can

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Another important consideration for successful communication is flowed moving from one statement in a text to the next. Naturally, established clear connection of ideas is important to help vour.

We have already tried to demonstrate to the next of the next in Task Three. Press

### TASK SIXTEEN

Read the passage and discuss the questions on page 31 with a partner.

- In many countries around the world, it is customary for consumers of hospitality and other services to provide gifts of money (called "tips") to the workers who have served them. 2 However, the specific service workers that are customarily tipped, and the amounts consumers give those workers, vary across nations.
- 3 For example, in the United States consumers tip over 30 different service professions, while no service professions are tipped in Iceland (Star, 1988). 4 In Mexico consumers tip restaurant servers 15% to 20% of the bill, but tip only 5% to 10% of the bill in Romania (Putzi, 2002). These variations in tipping norms are sources of uncertainty for international travelers and phenomena to be explained by hospitality and tourism researchers.
- 6 International differences in tipping customs may be partially explained by differences in national values. • According to Hofstede (1983), national values differ on four major dimensionspower distance, uncertainty avoidance, individualism, and masculinity. 8 Power distance reflects a nation's acceptance of power and status differences. This value should be positively related to national acceptance of tipping because tipping gives customers power over servers (Hemenway, 1984; Lynn, 2000a).

Lynn, 2004.

- 1. How do you think the author establishes the relationship between the ideas?
- 2. Underline the grammatical subjects of Sentences 2–9. Can you find a link between each grammatical subject and the sentence

- what does these variations in Sentence 5 refer?

  5. Which words are repeated in the text? Are you surprised by the amount of repetition of words in the text? Did you even nor this when you first read the passage?

  6. What do you think Sentence
- Idan Press

### **Old-to-New Information Flow**

Although your first instinct in establishing a smooth flow of ideas is to use logical connectors such as *however* of *jurthermore*, many writers generally try to follow a progression from old or given information, which is in the subject position or early at the left end of the sentence, to new information, which is placed at the right end of the sentence. Placing relevant "old" information in early position establishes a content connection backward and provides a forward content link that establishes the context. Notice how this old-to-new pattern is established in this text.

- Research has shown that caffeine does indeed reduce sleepiness and can lead to better/academic performance since students can spend more time studying. 2 Despite its effectiveness in counteracting sleepiness, <u>caffeine</u> can have a negative impact on subsequent sleep, which for many/students may already be compromised. Specifically, caffeinated beverages consumed near bedtime at night can prolong sleep onset and reduce sleep efficiency and depth, thus affecting both sleep quality and duration. Most of the research on how caffeine affects sleepiness/alertness
- has focused on coffee or no-doze pills. However, a new kind of caffeinated drink has become increasingly popular, namely

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functional energy drinks (FEDs). FEDs are marketed as products that can improve both mental and physical performance. In addition to containing caffeine, FEDs have other active ingredients such as taurine, glucose, and glucoronolactone. Exactly how these ingredients together affect alertness remains unclear.

The old-to-new pattern of information is established by starting a text with some familiar information. In the following sentence, you can repeat some information from the previous sentence (exact repetition, in the form of a synonym or variation on the part of speech). In the energy drink example, you can see the repetition of caffeine in Sentences 1 and 2.

• Research has shown that <u>caffeine</u> does indeed reduce sleepiness and can lead to better academic performance since students can spend more time studying. • Despute <u>its</u> effectiveness in counteracting sleepiness, <u>caffeine</u> can have a negative impact on subsequent sleep,

To tie two sentences together, you can repeat information from the beginning of the first sentence, as in the case of *caffeine* in Sentences 1 and 2. Alternatively, you can pick up information from the end of the first sentence (since, once read, this new information is now familiar). An example of this is Sentences 5 and 6.

- 6 However, a new kind of caffeinated drink has become increasingly popular, namely <u>functional energy drinks</u> (FEDs).
- <u>6 FEDs</u> are marketed as products that can improve both mental and physical performance.

Note also how passive voice in Sentence 6 is essential here. The point about marketing might not be well connected using active voice. An old-to-new pattern can also be achieved by using *this/these* + a noun, which refers back to some or all of the preceding sentence. An example of this can be seen in this possible Sentence 9.

**9** If <u>this relationship</u> could be explained, more effective FEDs could be developed.

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If old-to-new cannot be easily maintained, writers will often opt to use a logical connector to make relationships clear, as in Sentences 4 and 5.

Most of the research on how caffeine affects sleepiness/

Note that *a new kind of caffeinated drink* is new information that was not mentioned in Sentence 4. In order for the author to strongly established logical connection, the linking word, *homene* 

### TASK SEVENTEEN

Work with a partner and answer these questions that focus on old-to-new flow of ideas.

1. The first sentence of a description of the biological clock follows. Given what you know about the old-to-new pattern of information, what are the two topics for focal points) of the second sentence that the reader would likely expect?

The biological clock is a master clock that dictates the daynight cycle of activity known as circadian rhythm.

- Tract, the writer produced Sentences 2 and 3. How clearly are Sentences 1, 2, and 3 connected to each other? Explain your **b**pinion.
  - The biological clock is a master clock that dictates the day-night cycle of activity known as circadian rhythm. 2 The suprachiasmic nucleus (SCN) was identified as the location of the clock in the brains of humans and animals. Specialized clock genes are activated and deactivated mainly by a pair of proteins, one of which turns on a group of genes and the other of which turns off a key gene in a feedback loop that has a 24-hour rhythm (specifically a 24-hour and 18-minute rhythm).

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- 3. What do you think of this revision? How does this differ from the first version?
  - incomposition in the suprachiincomposition in the suprachi-• The biological clock is a master clock that dictates the
- 4. In Sentences 4 and 5, the author wrote this:

Is the relationship between the two sentences clear? Could the author do anything to clarify how the two points are related? What? What about combining the two sentences into one?

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	Can you oner a reverse nere.
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its reserved

- 5. Let's assume Sentences 4 and 5 are combined into one.
  - Although the biological clock functions regardless of the normal 24-hour cycle of light and darkness, light is still involved in resetting and regulating the clock.

How well connected is this Sentence 5?

- Sunlight resets the internal biological clock each day to synchronize the rhythms of activity of the clock genes, promoting the production of certain substances, such as hormones, which are necessary for maintaining good health
- 6. What is the relationship between the information before *promoting* and the information after *promoting*? Should the author use a connector to make the relationship more clear.
- 7. In Sentence 6, the author wrote:
  - 6 It was once thought that aging disrupts the biological clock.

Does this sentence flow smoothly from Sentence 5? If so, why? If not, why not?

- 8. Here are the final three sentences of the biological clock definition. Do you think they should be in their own paragraph? Why or why not?
  - (a) It was once thought that aging disrupts the biological clock. But, recent research (Czeisler et al., 2005) has shown that the body temperature and hormone fluctuations of the elderly are as regular as those of the young. Doctors can consider this valuable information in the treatment of sleep disorders in the elderly.
- 9. What do you think about the connection between Sentences 7 and 8? Can you think of a better connection?

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#### ACADEMIC WRITING FOR GRADUATE STUDENTS

- 10. Now read these two texts on lasers in medicine. Which do you prefer? Why?
  - A. 

    A. Lasers have found widespread application in medicine.
    - its reserved 2 Lasers play an important role in the treatment of eye disease and the prevention of blindness. 3 The eye is ideally suited for laser surgery 4 Most of the eye tissue is transparent. 6 The frequency and focus of the laser beam can be adjusted according to the absorption of the tissue. 6 The beam "cuts" inside the eye with minimal damage to the son rounding tissue—even the tissue between the laser and incision. Tasers are effective in treating some causes of blindness. 3 Other treatments are not. 9 The inforaction between laser light and eye tissue is not full understood.
  - B. **1** Lasers have found widespread application in medicine.
    - 2 For example, they play an important role in the treatment of eye disease and the prevention of blindness. 3 The eye is ideally suited for laser surgery because most of the eye tissue is transparent. Because of this transparency, the frequency and focus of the laser beam can be adjusted according to the absorption of the tissue so that the beam "cuts" inside the eye with minimal damage to the surrounding tissue—even the tissue between the laser and the incision.
- **6** Lasers are also more effective than other methods in treating some causes of blindness. 6 However, the interaction COPYHORITE Between laser light and eye tissue is not fully understood.

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## Language Focus: Linking Words and Phrases

As demonstrated in Task Seventeen, repetition and linking words and phrases can help a writer maintain flow and establish clear relationships between ideas. Table 1 lists some of the more common linking words and phrases, arranged according to their function and grammatical use.

TABLE 1. Linking Words and Phrases

Function	Subordinators (introduce a dependent clause that must be joined to a complete sentence)	Sentence Connectors (introduce a complete sentence or independent clause)	Phrase Linkers (introduce a noun phrase)
Addition		furthermore in addition moreover	In addition to
Adversativity	although even though despite the fact	however nevertheles	despite in spite of
Cause and effect	because since	ticlefore es a result consequently hence thus <sup>1</sup>	because of due to as a result of
Clarification	diversity	in other words that is i.e.	
Contrast	while Whereas	in contrast however on the other hand conversely	unlike
Illustration		for example for instance	
Intensification		on the contrary as a matter of fact in fact	

<sup>&</sup>lt;sup>1</sup> Note that thus may also be used in non-finite clauses of result, as in this example: A fungus infected the fruit, thus causing a significant economic loss to the farmers. See Unit Three for further discussion of this point.

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Sentence connectors raise a small, but important, issue—namely, punctuation. Many general style guides and style guides for your specific area of study are available (online and in book form) that can provide detailed this reserved explanations of punctuation use. Therefore, we will limit our discussion to a few key points regarding semicolons (;), colons (:), dashes (—), and commas (,). (See Figure 3.)

1. Semicolons join two completely independent clauses or sentences and work much like a full stop.

Air traffic delays due to high traffic volume have increased considerably over the last decade; these delays have become a major public policy issue.

2. Semicolons can be used with sentence connectors in the following example, note the use of the comma after the connector.

Increasing the size of airports is one solution to traffic congestion; however, this is a long-term solution whose benefits may not be seen for many years into the future.

3. Because semicolons are a "stronger" type of punctuation than commas (they mark a stronger break in the flow of ideas), they can be used to break sequences into parts

In recent years of growth rates have varied considerably for the countries in this study (China, 6%; U.S., 3%; Japan, 1%).

Several researchers have examined whether capital income should be taxed in the steady state (Moriyama, 2003; Correia, 1996: Chamley, 1986).

Semicolons can be used to separate rather long items in a list.

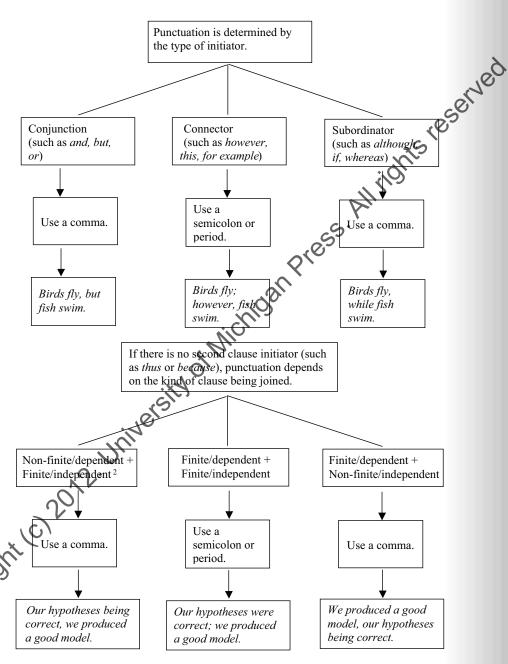
Some of the solutions to the air traffic delay problem include increasing the size of airports that routinely experience major flight delays; overhauling the air traffic control system so that more flights can be safely handled; and increasing landing fees (which are currently based on the weight of an aircraft) during peak periods.

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#### FIGURE 3. Punctuation



<sup>&</sup>lt;sup>2</sup>A finite verb is a main verb that is inflected to indicate tense and person.

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Although commas could be used in the preceding example, the length of the elements suggests that semicolons would work better; note the use of the semicolon before and toward the end of the sentence. Similar considerations apply to sentences that use a colon to

There are four main causes of airport congestion: bad weather, such as a snowstorm, may ground planes; too main planes may be scheduled to arrive or depart within a short period; runways may be closed; and equipment masservice.

should choose between a dash and a comma is a matter of debate. Often dashes are used by authors to intrude into a sentence and to provide some additional information. Commas are used in a variety of situations. It is best to check a style manual for the many uses. For our purposes here, however, we will say only that commas are used with many of the subordinators

Although weather is a major cause of airport delays, excess traffic volume is also a major factor.

5. Importantly, style manuals also have guidelines for semicolon uses. copyright col Refer to these for more information on semicolon use in your field.

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### TASK EIGHTEEN

Edit this passage by adding semicolons or commas where necessary.

Although most major companies provide their employees with email accounts as well as internet access many of these companies are concerned about potential abuse and monitor their employees' use of these media. In fact, more than 75% of all major corporations report that they monitor their employees' use of email and internet access either by sport checking or constant surveillance. Businesses have many reasons for monitoring email and internet use for example they may be concerned about protecting sensitive company information they may be worried about lawsuits arising from sexual harassment because of mass mailing of offensive jokes they may also want to identify employees who are surfing the internet rather than working. In other words they are concerned about cyberslacking.

## TASK NINETEEN

Supply linking words or phrases to enhance the flow of one of these passages. Look carefully at the punctuation to help you make an appropriate choice. Once you have made your choices, consider why the linking words are important and why an old-to-new pattern of information flow alone might not be adequate.

A. It has long been documented that individuals in an organization may voluntarily carry out tasks that are not part of their regular job duties. \_\_\_\_\_\_\_, individuals may go above and beyond the call of duty to help coworkers, prevent problems, or volunteer to stay late when not expected to do so. This behavior is intended to help others in the organization or the organization itself and is often referred to as organizational citizenship behavior (OCB).

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	it is recognized that OCB is important for
	an organization to effectively function, there is debate
	among researchers as to how OCB can be encouraged
	and rewarded. This debate is further complicated when
	considering the role of OCB in multinational corporations
	pursuing global diversity. Most OCB research has focused
	on Western cultures;, whether these
	research findings can be extended to other cultures is not
	clear, suggesting a need to investigate
	OCB as it exists in other cultures, particularly those
	and rewarded. This debate is further complicated when considering the role of OCB in multinational corporations pursuing global diversity. Most OCB research has focused on Western cultures;, whether these research findings can be extended to other cultures is not clear, suggesting a need to investigate OCB as it exists in other cultures, particularly those described as "collectivist."  Shape Memory Alloys (SMA) are a group of metallic
B.	Shape Memory Alloys (SMA) are a group of metallic
	materials that can return to some previously defined shape
	or size when subjected to the appropriate emperature.
	When some SMA are cold they can be deformed at a low
	temperature;, when the material is heated
	above this temperature it undergoes a change in crystal
	structure, tausing it to return to its
	original shape. Some materials exhibit shape memory
	only when heated; others can undergo a shape change both
	when heated and when cooled many
	alloys are known to have the ability to "remember" their
	shape, only some may actually find widespread commercial
	use. Of particular interest are those that can recover sub-
	stantial amounts of strain or that generate significant force
	upon changing shape, one common
(6)	nickel and titanium SMA, Nitinol, has this ability and is
X (O	being used in surgical implants, clamps, miniature valves
. No.	and switches, and other devices.
Miles	
$\delta_{\lambda}$ —	
Pyright (c)	

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## This and Summary Phrases

As indicated earlier, this/these + a noun can be used to establish a good oldto-new flow of information. Consider the following sentences.

What does this understanding refer to? Consider the following sentences.

In recent years, the number of students applying to RDD programs has increased steadily, while the number of available has remained fairly constant The resulted in intense compatition.

What does this situation refer to? What is the effect of using this instead of that?

The phrases in italics contain a summary noun or word that refers back to the idea in the previous sentence. They summarize what has already been said and pick up where the previous sentence has ended. You may have noticed in your academic reading that this is not always followed by a noun—that is, this is unsupported or unattended. Keep in mind, however, that if there is a possibility your reader will not understand what this is referring to, your best strategy is to follow this with a noun so that your meaning is clear.

Choose a noun to complete the second sentence of each set of sentences. More than one answer may be possible.

- 1. According to a recent survey, 26% of all American adults, down from 38% 30 years ago, now smoke. This \_ be partly attributed to the mounting evidence linking smoking and fatal diseases, such as cancer.
  - a. decline b. decrease c. drop d. improvement e. reduction Can you think of any other nouns that could complete the sentence?

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	Early in September each year, the population of Ann Arbor, Michigan, suddenly increases by about 25,000 as students arrive for the new academic year. This changes the character of the town in a number of ways.	
	a. increase b. influx c. invasion d. jump e. rise	,eg.
	Can you think of any other nouns that could complete the sentence?	eserve
3.	character of the town in a number of ways.  a. increase b. influx c. invasion d. jump e. rise  Can you think of any other nouns that could complete the sentence?  Nowadays, laptop computers are lighter, more powerful, and easier to use than they were five years ago. These have led to an increase in the sales of these machines.  a. advances b. changes c. developments d. improvements  Can you think of any other nouns that could complete the sentence?	
	a. advances b. changes c. developments d. improvements	
	Can you think of any other nouns that could complete the sentence?	
	- Child	
_	- Mic	
As the vide a reveal what	a. advances b. changes c. developments d. improvements  Can you think of any other nouns that could complete the sentence?  e task indicates, the noun that you choose to follow this/these can proastrong interpretive signal that reveals your stance (see Unit Six). By ing your stance you communicate not only what you know, but also you think.	
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	mary word from the c of other possible sur st?	•	
difficulty disruption	estimation finding	problem process	situation view
a rational, a good and has recentl	onal economic and conthoughtful consumer then carefully makes y been challenged, par consumer choices.	who gathers info a purchase. This	rmation about
electricity of	tudy has shown that can pose a threat to fl need for further resea anisms.	ying birds This _	
heat loss fr alleviate th control ma reduce the	coalkeepers routinely om the hands and cast isterials (PCMs) have amount of heat inside temperature.	use discomfort. In _, special materia been incorporated	order to ls, called phase d into gloves to
environme the enviror	erage human skin ten ntal temperature, hea ment as the body att act with the body. Th ion.	t will be lost from empts to heat up	the skin to the air in
suffering fr unable to s particular t powers of o	ttment of the body cleon "jet lag" feel tired leep properly during this concentration and mixes and competition is	d during the new the new night. For the new night. For the new night in poor ght result in poor	daytime, yet are or athletes in ffect mood and er training
Sweden ha little expec	tly, the support need we been met primarily tation that the family is now chard on the role of the f	y by the state, wit would provide canging as increasin	h there being are. This

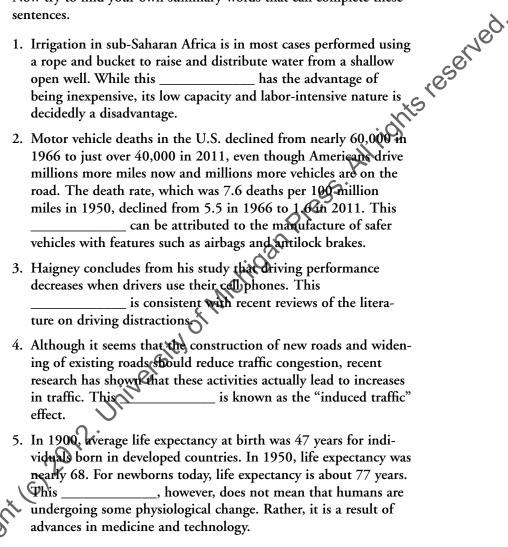
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### TASK TWENTY-TWO

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Now try to find your own summary words that can complete these sentences.



Summary expressions may be expanded into longer phrases to add clarity or interpretation. However, you should weigh the benefits of expanding the summary phrase. A long and possibly complicated summary phrase may actually be less effective.

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Consider the opening sentences and Options a-d. Which of the options would you choose as the fourth sentence?

- 6. In Sub-Saharan Africa, only 20% of all households have access to b. This lack limits market exchanges, increases risk, and limits opportunities to save.

  c. This lack of formal financial services limit increases risk, and limits opportunities to save.

  d. This lack of f financial services. In 2010, nearly 70 percent of Kenyan house-

  - market exchanges, increases risk, and limits opportunities to save.

Finally, we need to say something about whether it is better to use it or this to refer back to something stated earlier in the text.

## TASK TWENTY-THREE

Which sentence theach set makes better sense following the main sentence? While all of the choices are grammatically correct, which one seems to better capture the connection?

- 1. Voice over Internet Protocol (VoIP) has been rapidly expanding over the past decade, growing at a rate of nearly 200%.
  - It can be partially attributed to local telephone service providers, who were not specialized telecommunications operators, entering the VoIP market.
  - b. This can be partially attributed to local telephone service providers, who were not specialized telecommunications operators, entering the VoIP market.

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- 2. Our survey reveals an extremely high level of confidence that businesses are well equipped to prevent targeted cyber attacks by outsiders—94% of the businesses that responded described themselves as fairly or very confident.
- 3. Researchers have found that it is easier to start a traffic jam than to stop one. A small, but temporary, increase in the number of cars decreases, traffic.

  a. It has been
  - Germany and the Netherlands.
  - b. This has been verified through the use of sensor data from Germany and the Netherlands.
  - c. This phenomenon has been verified prough the use of sensor data from Germany and the Netherlands.
  - d. This traffic phenomenon has been verified through the use of sensor data from Germany and the Netherlands.

Although up to this point we have emphasized this + noun, we know, in fact, that there are occasions when "unattended" this (no following noun) is perfectly reasonable. A study by Wulff et al. (2012) based on MICUSP demonstrated that unattended this is common with these verbs: be (overwhelmingly the most common), mean, lead, result, have, and suggest. As you can see, many of these verbs are short and simple and allow the author to offer an interpretation or explanation, as can be seen in the common phrase this is because . . . .

# Presentation

Most instructors tolerate small errors in language in papers written by nonnative speakers—for example, mistakes in article or preposition usage. However, errors that instructors think could have been avoided by careful proofreading are generally considered less acceptable. These include the use of an incorrect homophone (a word that sounds exactly like another, such as

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too/to/two); basic grammar errors (e.g., subject-verb agreement); and misspelled words, including those that are not identified in a computer spell-check routine. The issue of grammar errors is a complicated one since many instructors do not appreciate how difficult it is to master some aspects of English such as articles (a, an, and the) and prepositions. We believe that if the flow of ideas is good, small errors may not be noticed; when the flow of ideas is not strong—i.e., does not follow the old-to-new principle—grammar errors may be more pronounced. Thus, it makes more sense to us focus more on content and information flow first and then tend to matters of grammar only after all other aspects of the paper are in good shape. Finally, your work is more likely to receive a positive response it you consider these questions.

- 1. Does the information flow in an expected manner.

  Look at the beginnings and ends of all sentences to see if there is a content bridge linking them backward and forward. If there is no content bridge, revise to establish one or consider adding a linking word or phrase.
- 2. Consider the overall format of your written work.

Does your paper seem to have been carefully prepared? Are there clear paragraphs? Is the line spacing correct? Have you used standard fonts and font sizes? Have you tried to follow the style of your field (APA, MLA, IEEE, Chicago Style, to name a few)? If you are unsure of the style common in your field, be sure to learn which to use.

3. Proofread for grammatical accuracy.

Do subjects and verbs agree? Have the appropriate verb tenses been used? Have the articles *a, an,* and *the* been used when necessary? Is *the* used too much? Do not automatically make changes based on suggestions from the grammar checker of your word processor. Some suggestions, such as changing from passive voice to active voice, may result in a poor connection of ideas.

4. Check for misspelled words, even if you have spell-checked your work. Has the correct homophone been used? Did the spell-checker miss anything?

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#### TASK TWENTY-FOUR

Read this draft of a short discussion of earthquakes in Turkey and the instructor comments on pages 51-52. Discuss each comment

- with a question
  you would revise the text.

  aut, taking into account other advice given

  Turkey is located in a region that is shaken by severe earth;

  quakes. They occurred almost every year. Central Anatolisa

  Fault Zone is one of the most active fault zones

  it lies along the northern part of the east to northwest quakes causes a lot of damage and death of many people is not only the nature of the fault zone, but also that there are many cities and highways settled on it.
- 6 Because many cities have been built on or within the vicinity of geologic fault. 6 They are unquestionably prone to earthquakes.
- There are many earthquakes each year. 8 The most serious damage occurred in August 1999. 9 It affected a big area and caused approximately 20,000 people death and millions dollars physical damage in three cities. Too prevent such big damage and loss in the future, researchers have been researching the 1999 earthquake. They looked at the excellent seismic records from recording stations near the epicenter of earthquake and saw that there were signs of earthquake. @ They might help to develop some early warning systems to be aware of the upcoming shakngs. 🚯 Even these can make warnings as short as 10 seconds before the shakings, if there is a well-planned evacuation plan, they may, at least, help to decrease the death toll of an earthquake.

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### Instructor's Comments

You have a good topic here and a good starting point. Your problem-solution organization is clear, which is very important. Here are a few suggestions for making your text even better.

- information in a few spots. For instance, in Sentence of the spots of the spots of the sentence of the spots of the spots of the sentence of t \_\_\_\_ 1. Although overall I understand the message you want to Should you give the names and the cost of the damage in each?
- \_ 2. In the first paragraph think about clarifying for your reader that the earthquakes originate in the Central Anatolian Fault Zone. Establish the connection. Also, what about including a map Athat readers can see where the fault zone is? •
- 3. In Sentence 4 keep with focus on the earthquakes. Beginning the sentence with the reason that the earthquakes caused lot of damage suggests that you have already stated that the earthquakes cause a lot of damage. Of course, readers should know that earthquakes cause serious damage, but I think you should say this. Consider beginning this sentence by saying that the earthquakes cause a lot of damage and then continue with your explanation.

What do you think about giving some actual figures for the total cost of the damage and perhaps give an example of the most serious form of damage?

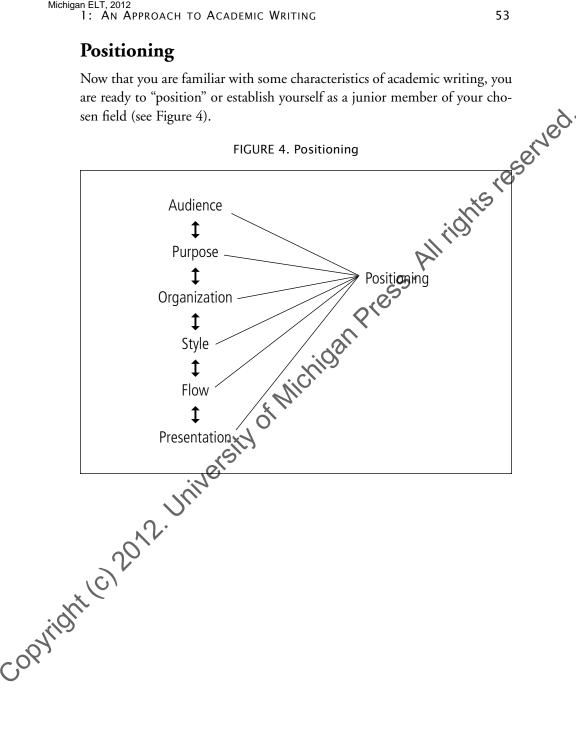
- 5. In Sentence 11 you mention signs of the earthquake. What kind of signs?
- COPYIGHT 6. The connection of your points in Sentences 1-3 could be ímproved. I see what you're saying, but you could say it more efficiently. The point in Sentence 2 could be woven into Sentence 1. This would also eliminate the past tense in Sentence 2, which should not be used because you are making a statement of fact.

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		7.	I like the use of the word excellent in Sentence 11 since this gives your reader a sense of what you think. You can position yourself better if you include some language that indicates your perspective; just reporting what others say or giving dry facts will not help you distinguish yourself. While excellent is okay, I wonder whether you can find a better word here. What is it about the data that makes it excellent?  Sentence 5 is not a complete sentence. Because
		8.	Sentence 5 is not a complete sentence. <u>Because</u> introduces a dependent clause that can't stand alone. Can you think of a way to connect this sentence to the following one? Or make some other change?
		9.	In Sentence 6 can you really say <u>unfalestionably?</u> It seems a bit dramatic.
			Do you really need Sentence of Im not sure it adds much. Sentence 7 just seems rather disconnected. Can you integrate the information somewhere else?
			In Sentence 9 the referent for the pronoun $\underline{it}$ is not 100% clear. What is $\underline{it}$ ?
		12.	Sentence 9 describes a way to possibly minimize the destructiveness of earthquakes. Can you think of a smoother transition into the solution here? Something
		45	like one way to or one possible method of?  Can you find another word for make in Sentence 13?
× .		1	I understand what you are saying, but we usually don't use make with warning.
Cobridg	·	14.	Before turning in your next draft, be sure to check the overall old-to-new flow of ideas. Be sure content and organization are in good shape; then check the grammar; and then in your final step of
			proofreading, check the flow.

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#### TASK TWENTY-FIVE

Mark these writing characteristics as H (helpful for positioning) or U (unhelpful for positioning). In some cases, there is room for disagreement. Explain your choices.

	U (unhelpful for positioning). In some cases, there is room for disagreement. Explain your choices.	0
	1. Choosing any writing style that you like	— cert
	2. Expressing enthusiasm and commitment	
	3. Writing in a formal academic style	-Kis
	4. Making broad generalizations throughout a text	(0)
	5. Being cautious about generalizations	<u> </u>
	6. Using references to support your points	
	7. Writing mainly from experience and personal knowledge	
	8. Reevaluating the work of authorities in the field	
	9. Showing an awareness of the "hot" is use in your field	
COPYrigh	<ol> <li>Choosing any writing style that you like</li> <li>Expressing enthusiasm and commitment</li> <li>Writing in a formal academic style</li> <li>Making broad generalizations throughout a text</li> <li>Being cautious about generalizations</li> <li>Using references to support your points</li> <li>Writing mainly from experience and personal knowledge</li> <li>Reevaluating the work of authorities in the field</li> <li>Showing an awareness of the "hot" issues in your field</li> </ol>	