





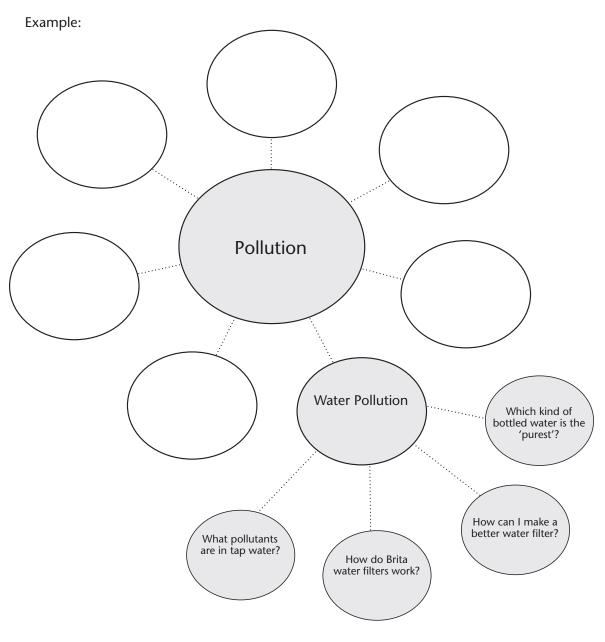
Science begins with the art of observation! Notice what is going on around you. Think about all those times you wondered about something or asked yourself, "what if...?" This is the beginning of the creativity that is involved in science. Let's start by putting your ideas on paper.

Begin with a topic then brainstorm all the words that come to mind when you think of that topic: questions, what you know, what you would like to know. Once you have filled the page with words, sort them as follows:



Write the topic of interest in the middle. Choose more specific topics and write them in the bubbles. For each of these bubbles, form questions.







Science Fair Planning Brainstorming your Ideas

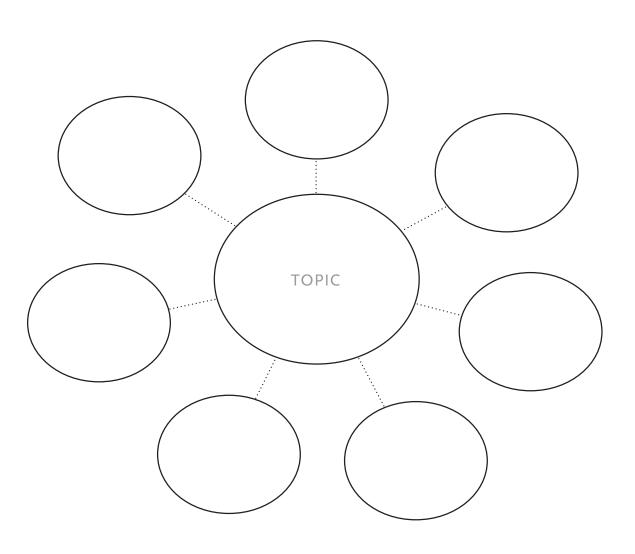
Name:	Date:



Now try brainstorming one of your own topics!









Science Fair Planning What Type of Project?

Name: Date:
Date.
Now that you have your thoughts written down, let's start to organize them.
What is your topic or question?
What do you already know about this topic?
What more would you like to know about this topic?
WHAT TYPE OF PROJECT ARE YOU DOING? (check one)
□ Experiment
Conduct an experiment testing a hypothesis. The process follows the scientific method and involves variables. A common format is: "How does affect?"
□ Innovation/Technology
Design and build a model or technique. A common format is: "How canimprove the performance of?"
□ Study
Research a topic, compare data, and present information and conclusions. A common format may be: "What kind of information exists about?" and "What is the relationship between and?"

Science Fair Guide > 2.0 Organizing the Students > Appendix

What are the keywords you can use while doing research?

What materials do you need to do your project and where can you get them?



Science Fair Planning Experiment

Name:		Date:		
Let's expand on the p	Let's expand on the planning and write information down into a different format.			
Purpose: What are y	ou going to do?			
Hypothesis: What do	you think will happe	en?		
Materials needed:				
Procedure: What ste	eps will you take?			
	1 7			
Control:				
Independent varial	ole:			
Dependant variable	e:			
Results:				



A	Science Fair Planning
45	Innovation/Technolog
	Name:



Name:		Date:
	anning and write information dowr	n into a different format.
Purpose: What are yo	ou going to build and why?	
Materials needed:		
Research: What do ye	ou need to know before you start?	
Diagram: Draw a lab	elled diagram of your model.	
Testing: How will you	ı test it?	
Discussion: How doe	s your model apply to real-world sit	tuations?



Science Fair Planning Study

Name:	Date:
Let's expand on the planning and v	write information down into a different format.
What do you already know abo	out this topic?
Purpose: What questions are you	planning to address?
	. 9
Research Plan: List the website, b	books and other resources you will refer to.
What kind of models and diag	rams will you use to support your study?
Trial kind of models and diag	rums win you use to support your study.
Display: What key features will you	u present on your backboard?
Applications: How does your stud	dy apply to real world citystians?