Name:		Period:	#:
U	sing the Scientific M WebQuest Worksh		
Step 1: Make an Observation How to Make Observations Using the S observations-using-scientific-method.ht		<u>//www.ehow.com/ho</u>	ow_2052859_make-
1. What are the two main sections of a	scientific observation?	Define each.	
How to Make Observations Like a Scienttp://ideas.time.com/2012/05/02/how-t		s-of-observation/	
2. What is the difference between casua	al observers and scient	ific observers?	
Step 2: Form a Question How Stuff Works http://science.howstuffworks.com/innovs Scroll down to step 2: <i>Ask a Question</i> 3. What is the purpose of the question?	vation/scientific-experi	ments/scientific-me	thod6.htm
4. Does construction of scientific quest	ions require training as	s a scientist?	
Step 3: Form a Hypothesis Science Buddies http://www.sciencebuddies.org/science- 5. Define the term hypothesis.	-fair-projects/project_h	ypothesis.shtml	
6. What is the major requirement for yo	our topic?		
The Experimental Method http://www.colby.edu/biology/BI17x/ex	kpt_method.html		

7. List the five characteristics of a good hypothesis.

Step 4: Experiment

How Stuff Works

http://science.howstuffworks.com/scientific-method7.htm

- 8. What is the purpose of a control group?
- 9. Why is it important to hold all variables constant, other than the one being tested?

Step 5: Analyze your Data

Data Analysis

http://scidiv.bellevuecollege.edu/rkr/Biology211/labs/pdfs/DataAnalysis211.pdf

- 10. Define the term data.
- 11. Why do you need to analyze your data?
- 12. Define the term graph and list four types of graphs.

Step 6: Conclusion

The Scientific Method http://www.brandonbeltz.com/scimeth/conclusion1.htm

13. How do scientists draw conclusions?

Scientific Method-Conclusion of a Science Fair Project (Type the question into a web browser to get the answer.)

14. What three things should your conclusion be?

The Scientific Method

(Type the question into a web browser to get the answer.)

15. What you need to do if your hypothesis is wrong?