

Name _____

Date _____

What is Science and the Scientific Method
Pages 6-12 and Handout on the Scientific Method

1) What is science? _____

2) When studying the natural world, scientists use three skills...*observing*, *inferring*, and *predicting*. Please briefly describe each.

Observing - _____

Inferring - _____

Predicting - _____

3) List the steps of the *scientific method* in order: _____

4) What is a *hypothesis*? _____

5) A _____ is one of the factors that can change in an experiment.

6) What is *data*? _____

7) A _____ is a well-tested scientific concept that explains a wide variety of observations.

8) What is a scientific law? _____

9) The Big Bang is a scientific _____ as it has not been proven yet.

10) Gravity is a scientific _____ because it can be directly observed.