

\* Study guide must be signed by a parent and returned the day of the test!

## Chapter 1 Study Guide

### Terms:

Hypothesis  
Independent Variable  
Dependent Variable  
Qualitative Observation  
Quantitative Observation  
Pseudoscience  
Inference  
Classifying  
Scientific Inquiry  
Observing  
Bias  
Data  
Evidence

### Concepts:

Be able to identify independent/dependent variables  
Be able to explain what scientific literacy is and why it is important  
Be able to explain how to design and conduct an experiment so that it uses sound scientific principles  
Be able to read and interpret graphs  
Know why it is important to only change one variable at a time when designing and conducting an experiment  
Be able to identify the skills scientists use to learn about the world •Hint - there are 6!

**Please remember to review the Key Concepts given to you in class after each section and use the Study Guide provided in the book on page 34.**

Dear Parents/Guardians,      Student Name : \_\_\_\_\_

Please sign below and verify the amount of time your student study for our Chapter 1 Test.

Date: _____	Amount of Time Studied: _____
Date: _____	Amount of Time Studied: _____
Date: _____	Amount of Time Studied: _____
Date: _____	Amount of Time Studied: _____
Date: _____	Amount of Time Studied: _____

**Parent Signature:** \_\_\_\_\_