

Name _____

Date _____

Period _____

Unit 1 Study Guide

Lab Equipment

1. Be able to identify lab equipment and understand how it is used. Use your lab equipment quiz and lab equipment sort in your IN to study.
2. Know how to properly read a triple beam balance to the tenth of a gram. Use www.ohaus.com to practice (check links on teacher web pages).

Science Inquiry and Investigations

3. Why do scientists repeat investigations more than once?

4. Define and be able to identify the following types of variables in a lab experiment:

- Constant variable:

- Manipulated variable:

- Responding variable:

Name _____

Date _____

Period _____

5. Know the difference between a testable and non-testable question.

Write a testable question using the following variables.

- Bean plant growth, brand of fertilizer:

- Bean plant growth, type of music (country, rock, classical):

Lab Safety

According to your lab safety contract or teacher's instructions, what is the correct way to handle the following situations in the lab:

6. Properly smelling a substance
7. Eating and/or drinking in class
8. Reporting accidents to the teacher
9. Horseplay in the classroom

Observation/Inference

Explain the difference between an observation and an inference. Be able to identify an observation or inference from a scenario.
