**VOCABULARY:**

1. observation
2. quantitative
3. qualitative
4. inference
5. mass
6. volume
7. length
8. data
9. conclusion
10. repeated trials
11. a- or an-
12. anti-
13. auto-
14. bio-
15. hetero-
16. homo-
17. hyper-
18. hypo-
19. iso-
20. -logy
21. -synthesis
22. photo-
23. -troph
24. control group
25. hypothesis
26. variable
27. independent variable
28. dependent variable
29. controlled experiment
30. control variable
31. gram
32. liter
33. meter

**QUESTIONS:**

**Process Skills- Concepts to know:**

1. What are the steps of the scientific method in order?
2. What does it mean to make an observation?
3. What are the two types of observations?
4. Which type of observation includes numbers such as measurements?
5. What does it mean to make an inference?
6. How is an observation different from an inference?

**Measurement-Terms and Concepts to know (Remember-we use the Metric System in science):**

1. What does length measure and what is the base unit?
2. What does mass measure and what is the base unit?
3. What does volume measure and what is the base unit?
4. What does temperature measure and what is the base unit?

**Safety-Terms and Concepts to know:**

1. What should you immediately do in case of an emergency?
2. Why should you never touch, taste or smell a chemical unless your teacher instructs you to do so?
3. When should you begin a lab activity?
4. How should you dispose of waste/hazardous materials in a lab?
5. How should you keep your lab area?
6. When should you take materials out of a lab/science classroom?
7. Where should you remain during a lab?

**Independent/Dependent Variable:**

1. What is a variable?
2. What is the difference between an independent (manipulated) and dependent (responding) variable?
3. What is a controlled experiment?
4. What is the control group?
5. What are control variables and why are they important in an experiment?
6. Be able to determine the independent variable, dependent variable, control variable, and control group from a written experiment.