

## Chapter 1 Study Guide

1. Is a map an example of a model?
2. What is the law of conservation of mass?
3. What does a geochemist do?
4. What does a triple beam balance measure?
5. What is the difference between a law and a theory.
6. Know which is larger: mg, g, kg, and know how many g are in a kg.
7. What metric unit would you use to measure a pencil's length?
8. What is also known as "applied science"?
9. How can one analyze the results of an experiment.
10. Why do we communicate our results in science?
11. Is an incorrect hypothesis a waste of time?
12. What type of model is the big bang theory?
13. A new car prototype is an example of what scientific tool?
14. Know the types of models.
15. Describe the displacement of water method to measure the mass of irregular solids.
16. What does density have to do with objects floating in water?
17. Is ice more or less dense than liquid water?
18. What is the formula for density?
19. What part of a scientific experiment is "noting temperatures?"
20. What is volume?
21. What are data?