

Name \_\_\_\_\_ Date \_\_\_\_\_ Period \_\_\_\_\_

## ***STUDY GUIDE CHAPTER 1***

1. Know the 4 parts of Earth Science. Be able to list each one. Be able to give the definition of each one. Be able to give 3 examples of something you could study in each one.
2. Know the difference between an experimental group and a control group. FULLY EXPLAIN why both are important.
3. Know all of the information about the measurements, including the base unit, tool, and definition. The 7 measurements are mass, weight, length, area, volume, temperature, and density.
4. Be able to perform simple calculations from labs. For example, calculate density ( $D = m/v$ ), measure the length of a line, calculate the weight of an object on the moon, etc. BE ABLE TO ANSWER ALL POST-LAB QUESTIONS!
5. Know the problem-solving strategies outlined in the chapter.
6. Be able to write an essay in which you discuss all the steps in the scientific method. THIS QUESTION WILL BE WORTH A LOT OF POINTS!
7. Know the difference between a hypothesis, a theory, and a law.
8. Know the four different sciences: Earth Science, Bio, Chem, Physics. Be able to think of ways of combining the different sciences. For example, I might ask "How is chemistry a part of the human body?" You would have to think of one way that chemistry is found in the human body.
9. Know what words are being described...
  - a. "having knowledge"
  - b. "the use of scientific discoveries"(NO WORD BANK IS GIVEN!)
10. There might be some thought questions on the quiz. If you are able to answer the above questions, you should have no trouble with it. Be sure that you study all notes, labs, etc.

**GOOD LUCK ON YOUR FIRST QUIZ!!!**