

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

## ***BIO H – STUDY GUIDE CHAPTER 1***

1. There will be 15 multiple choice questions based on the following topics:

- energy cycle
- prokaryotes, eukaryotes \*\*
- the 3 domains \*\*
- the various kingdoms \*\*
- scientific method, control group, experimental group

\*\* lots of questions with lots of details ☺

2. Know the 7 important properties (characteristics) of life. Be able to provide at least one example of each.
3. Know what is meant by the STRUCTURE-FUNCTION relationship. Provide examples and explain them!
4. List the 13 levels of organization (IN ORDER). Define each level. Provide an example of each level.
5. Know all 6 steps in the scientific method. Explain them all in essay form.
6. Use a chart (similar to the one used in class) to figure out the meaning of big words.
7. What are the similarities and differences between hypothesis and theory? Explain.
8. Know the difference between a control group and an experimental group. Which one gets the variable? Which one stays the same? Explain.
9. Be able to answer all of the questions on the chapter 1 problem set.