

Biology Chapter 1 Review Sheet: Safety, Scientific Method, and Properties of Life

1. After an experiment is completed you should _____.
2. What is the #1 safety rule in lab?
3. A hypothesis that is not supported by data is _____.
4. The variable that is being manipulated (changed) is the _____.
5. The variable that is being measured is the _____.
6. How many independent variables can be tested at a time?
7. Why do scientists publish their data?
8. Why do you need a large study group when performing an experiment?
9. Biology is the study of _____.
10. All living things are made up of one or more _____.
11. Define Homeostasis - _____.
12. Define Biogenesis - _____.
13. Define Reproduction - _____.
14. Define Metabolism - _____.
15. The energy for all living things on Earth comes from _____.
16. Compare/contrast a scientific theory and scientific law and give examples.
17. Compare/contrast precision vs. accuracy and give examples.
18. Define and give an example of a Qualitative and Quantitative observation.
19. Compare contrast prokaryotic and eukaryotic cells.

Make sure that you know the 5 main parts to the scientific method, 8 characteristics of living organisms, the importance and rules of graphing, and the two types of observations done in science.