



### **Study of Life: Practice Activity**

**Directions:** Answer the following questions in order to test your knowledge on the basics of biology.

1. What are the 2 types of reproduction and what is an example of an organism that carries each type?
2. What is an organism called when it is not living?
3. What is biology?
4. What is qualitative data?
5. \_\_\_\_\_ = \_\_\_\_\_ + Catabolism
6. What is a hypothesis or a group of hypotheses that have been supported by repeated testing?
7. What is a constant?
8. Body temperature is an example of what characteristic of life?
9. What is an example of response to the environment?
10. True or False? You need one characteristic of life in order to be classified as an organism.



11. What is an example of growth and development?
12. Photosynthesis is an example of what process that obtains and uses energy?
13. Jolly is testing the effect of different vaccines on Coronavirus infected cells. What are his independent and dependent variables?
14. What is an example of an unicellular organism?
15. How do you gather your observations?
16. What is the difference between biotic and abiotic?
17. What is the difference between a random guess and an hypothesis?
18. A valid experiment will have one \_\_\_\_\_.
19. What step in the scientific method follows designing the experiment?
20. What is the most important characteristic of life?



## **Sample Answers**

1. Asexual-bacteria; Sexual-humans
2. Abiotic
3. The study of organisms
4. Results in letters
5. Metabolism= Anabolism+Catabolism
6. Theory
7. A variable that stays the same throughout the experiment
8. Homeostasis
9. A flower opening up in the sunlight
10. False
11. Growing in height
12. Anabolism
13. Independent-different vaccines; Dependent-infected cells
14. Bacteria
15. 5 senses
16. Biotic-living; Abiotic-nonliving
17. You have background knowledge with a hypothesis
18. Variable
19. Collecting Data
20. None-they are all equally important!