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# Chapter One Vocab Review

## Chapter Vocabulary Review

For Questions 1-8, complete each statement by writing the correct word.

1. The act of noticing and describing events or processes in a careful, orderly way is called observation.
2. The information gathered during an experiment is called data.
3. A(n) inference is a logical interpretation based on what scientists already know.
4. A(n) hypothesis is a scientific explanation for a set of observations that can be tested in ways that support or reject it.
5. A(n) theory is a well-tested explanation that unifies a broad range of observations and hypotheses.
6. In asexual reproduction, the new organism has a single parent.
7. A(n) stimulus is a signal to which an organism responds.
8. Science is an organized way of gathering and analyzing evidence about the natural world.

For Questions 9-17, write the letter of the definition that best matches each term on the line provided.

### Term

- |          |                          |
|----------|--------------------------|
| <u>B</u> | 9. biology               |
| <u>E</u> | 10. bias                 |
| <u>C</u> | 11. homeostasis          |
| <u>G</u> | 12. metabolism           |
| <u>D</u> | 13. DNA                  |
| <u>A</u> | 14. control group        |
| <u>H</u> | 15. independent variable |
| <u>I</u> | 16. dependent variable   |
| <u>F</u> | 17. biosphere            |

### Definition

- A. in an experiment, the group exposed to the same conditions as the experimental group except for one independent variable
- B. the study of life
- C. living things maintaining a relatively stable internal environment
- D. a molecule containing the universal genetic code
- E. a point of view that is personal rather than scientific
- F. a living planet
- G. the combination of chemical reactions through which an organism builds up or breaks down materials
- H. in an experiment, the variable that is manipulated
- I. in an experiment, the responding variable