

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 _____.
2. The information gathered during an experiment is called _____.
3. A(n) _____ is a logical interpretation based on what scientists already know.
4. A(n) _____ is a scientific explanation for a set of observations that can be tested in ways that support or reject it.
5. A(n) _____ is a well-tested explanation that unifies a broad range of observations and hypotheses.
6. In _____ reproduction, the new organism has a single parent.
7. A(n) _____ is a signal to which an organism responds.
8. _____ 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

- _____ 9. biology
- _____ 10. bias
- _____ 11. homeostasis
- _____ 12. metabolism
- _____ 13. DNA
- _____ 14. control group
- _____ 15. independent variable
- _____ 16. dependent variable
- _____ 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