

Vocabulary Review

Chapter 8

For question 1-8, complete each statement by writing the correct word!

1. The act of noticing and describing events or processes in a care full, 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 question 9-17, write the letter of the definition that best matches each term on the line provided!

Term

- B 9. biology
E 10. bias
C 11. homeostasis
G 12. metabolism
D 13. DNA
A 14. Control group
H 15. Independent variable
I 16. Dependent variable
F 17. Biosphere

Definition

- A. in an experiment, in the group exposed to the same condition 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.