



Vocabulary Practice

A. Categorize Words

1. organism, L; cell, L; species, L; transgenic, B; biotechnology, T; molecular genetics, T
2. homeostasis, I; biosphere, E; system, B; metabolism, I; ecosystem, E; biology, B
3. biodiversity, G; organism, I; cell, B; adaptation, B; biosphere, G; evolution, G

B. Vector Vocabulary

1. using tools and senses to study the world
2. many support, and are accounted for by
3. can lead to
4. a proposed explanation for a wide range of observations supported by a large amount of evidence
5. a proposed answer for a scientific question
6. tested through
7. study of independent and dependent variables to find cause-and-effect relationships
8. scientists manipulate
9. scientists measure
10. scientists control
11. condition that is changed to observe an effect on the dependent variable
12. factors that are observed; affected by independent variable
13. conditions that are kept from changing during an experiment
14. collected as
15. observations that are recorded and analyzed to test a hypothesis

C. Stepped-Out Vocabulary

1. scientific study of all organisms; helps to make informed decisions; still has many unanswered questions
2. tool that provides an enlarged image of an object; led to discovery of cells; electron microscopes provide greater magnifications than light microscopes
3. change in living things over time; change in genetic makeup of a population; accounts for unity and diversity of life
4. an inherited trait that gives an advantage to an individual organism; passed on to future generations; different adaptations in different environments
5. the genetic material in all organisms; instructions for growth and development; passed on through reproduction
6. segment of DNA that stores genetic information; studied and changed through molecular genetics; faulty ones can be replaced
7. study and comparison of genomes; computer databases store the information; entire DNA sequences from organisms

D. Words in Context

1. too small to be seen
2. maintenance of constant conditions
3. the cause
4. segment of DNA
5. inherited trait
6. kept the same

7. explains many observations
8. both living and nonliving things
9. near the equator
10. a type of living thing that can reproduce
11. it has genes from different species
12. propose an answer to a question