

Skills Worksheet

Vocabulary Review

Complete each statement by writing the correct term from the list below in the space provided.

analogous character	convergent evolution	order
archaea	derived characters	phylogenetic tree
bacteria	domain	phylogeny
binomial nomenclature	eukaryote	phylum
cladistics	family	prokaryote
cladogram	genus	taxonomy
class	kingdom	

1. The classification level in which classes with similar characteristics are grouped is called a(n) _____.
2. Organisms made up of one or more cells with complex internal structure are called _____.
3. Reconstructing phylogenies by inferring relationships based on similarities derived from a common ancestor without considering the “strength” of a character is called _____.
4. The evolutionary history of a species is its _____.
5. Orders with common properties are combined into a(n) _____.
6. Similar families are combined into a(n) _____.
7. The classification level in which similar genera are grouped is called a(n) _____.
8. A similar feature that evolved through convergent evolution is called a(n) _____.
9. In _____, organisms evolve similar features independently, often because they live in similar habitats.

Vocabulary Review *continued*

10. A(n) _____ is a branching diagram used to show evolutionary relationships in groups with shared derived characters.
11. The _____ are prokaryotic organisms made of cells that have a strong exterior cell wall.
12. The most general level of classification is _____.
13. A(n) _____ is a taxonomic category that contains similar species.
14. Methanogens and extremophiles are examples of _____.
15. Linnaeus developed a system for naming and classifying organisms, which is called _____.
16. A(n) _____ is an organism that is made up of cells that lack a nucleus and most other cell organelles.
17. Unique characteristics used in cladistics are called _____.
18. The two-word system for naming organisms is called _____.
19. A(n) _____ contains many phyla.
20. In phylogenetics, evolutionary relationships are shown in a branching diagram called a _____.