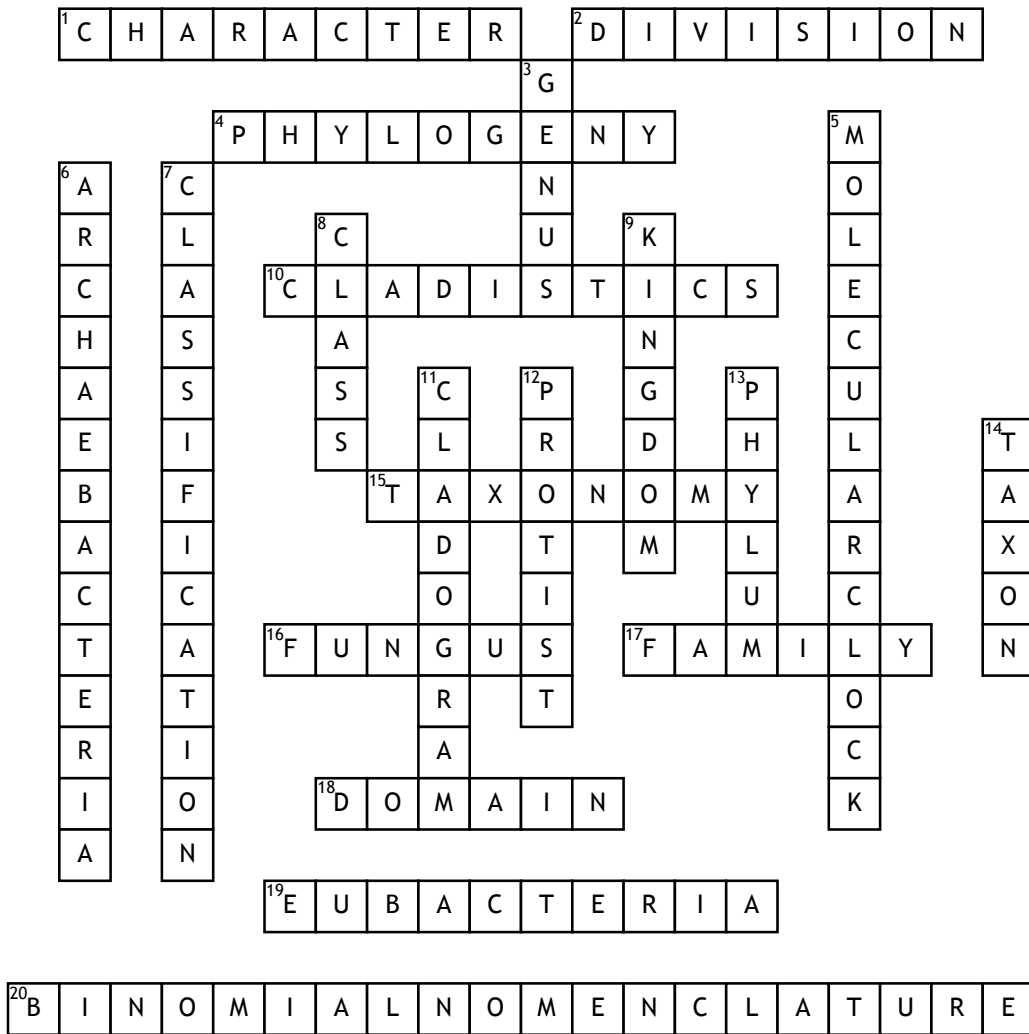


Chapter 17 Vocabulary Review



Across

1. inherited morphological or biochemical feature that varies among species and can be used to determine patterns of descent.
2. taxonomic term used instead of phylum to group related classes of plants and bacteria.
4. evolutionary history of a species.
10. taxonomic method that models evolutionary relationships based on shared derived characters and phylogenetic trees.
15. branch of biology that identifies, names, and classifies species based on their morphology and behavior.
16. unicellular or multicellular eukaryote that is stationary, absorbs nutrients from organic materials in the environment, and has cell walls that contain chitin.

17. taxonomic group of similar, related genera that is larger than a genus and smaller than an order.
 18. taxonomic group of one or more kingdoms.
 19. prokaryotes with peptidoglycan-containing cell walls.
 20. Linnaeus's system of naming organisms, which gives a scientific two-word Latin name to each species--the first part is the genus name and the second is the specific epithet.
- Down**
3. taxonomic group of closely related species with a common ancestor.
 5. model that uses comparisons of DNA sequences to estimate phylogeny and rate of evolutionary change.
 6. prokaryotes whose cell walls do not contain peptidoglycan.

7. grouping of organisms or objects based on a set of criteria that helps organize, communicate, and retain information.
8. taxonomic group that contains one or more related orders.
9. taxonomic group of related phyla or divisions.
11. diagram with branches that represents the hypothesized phylogeny or evolution of a species or group; uses bioinformatics, morphological studies, and information from DNA studies.
12. unicellular, multicellular, or colonial eukaryote whose cell walls may contain cellulose; can be plantlike, animal-like, or funguslike.
13. taxonomic group of related classes.
14. named group of organisms, such as a phylum, genus, or species.

Word Bank

family
taxon
protist
eubacteria
division

archaeobacteria
classification
phylum
cladistics
domain

molecular clock
genus
fungus
class
character

phylogeny
cladogram
taxonomy
binomial nomenclature
kingdom