

Name: \_\_\_\_\_ Date: \_\_\_\_\_

# MODERN TAXONOMY

1. Modern taxonomists classify organisms based on their what A. Cladograms
2. What is the evolutionary history of any species or group called B. Archaea
3. Branching diagrams that show how organisms are related is call what? C. Fungi
4. Branching diagrams that show how organisms are related based on shared derived characteristics is called this D. Animalia
5. Prokaryotic microbes that often live in harsh environments E. Fungi
6. prokaryotic microbes that can be symbiotic or parasitic F. Protista
7. any eukaryote that is not an animal, plant, or fungus G. Phylogenetic trees
8. eukarotes that reproduce asexually and whose cell walls contain chitin H. three-domain system
9. photosynthetic eukaryotes I. Bacteria
10. heterotrophic eukaryotes that reproduce sexually J. evolutionary relationships
11. divides cellular organisms into three categories K. Plantae
12. 4th kingdom of life L. Phylogeny