Chapter 18 Review

1. Which two kingdoms contain both unicellular and multicellular organisms?
2. What is the difference between plants and animals?
3. Write the correct order of classification levels.
4. What characteristics are used to differentiate kingdoms?
5. Which kingdoms include eukaryotes? Which kingdoms include prokaryotes?
6. The kingdoms Eubacteria and Archaebacteria were once grouped in a kingdom called \_\_\_\_\_\_\_\_\_. What do they have in common?
7. What are derived characters? Would you expect to see them in closely related organisms?
8. What is a cladogram?
9. What is a phylogenetic tree? A cladogram? What is the difference between the two?
10. Convergent evolution produces analogous characters in different species as the result of \_\_\_\_\_\_\_\_
11. What is convergent evolution? What are analogous characters? Homologous characters?
12. What is an analogous structure?
13. Placement in each level of classification is based on what type of characteristics?
14. What is the highest level of classification? In other words, what is the largest division a group of organisms can belong to?
15. What are plants and animals sorted into groups based on?
16. In linnean system, what identifies a unique organism?
17. What is binomial nomenclature? Who invented it?
18. What is taxonomy?