| Name | Class | Date | |
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| INAITIC | Ciass | Date | |

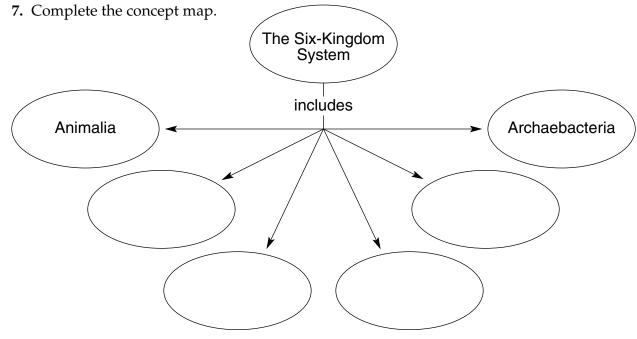
Section 18-3 Kingdoms and Domains (pages 457-461)

C Key Concepts

- What are the six kingdoms of life as they are now identified?
- What is the three-domain system of classification?

The Tree of Life Evolves (pages 457-458)

- **1.** Is the following sentence true or false? The scientific view of life was more complex in Linnaeus's time. _____
- 2. What fundamental traits did Linnaeus use to separate plants from animals?
- **3.** What type of organisms were later placed in the kingdom Protista?
- **4.** Mushrooms, yeast, and molds have been placed in their own kingdom, which is called ______.
- 5. Why did scientists place bacteria in their own kingdom, the Monera?
- **6.** List the two groups into which the Monera have been separated.
 - a. _____
 - b. _____



| Name_ | | Class | Date | | |
|---------------------------------|-------------------------------|--------------------------|--------------------|--|--|
| | Γhree-Domain Syster | | | | |
| 8. A 1 | more inclusive category thar | any other, including the | ne kingdom, is the | | |
| | nat type of analyses have sci | © 1 | · · | | |
| 10. Lis | et the three domains. | | | | |
| a. | | | | | |
| b. | | | | | |
| c. | | | | | |
| 11. Co | mplete the chart below. | | | | |
| CLASSIFICATION OF LIVING THINGS | | | | | |
| Doma | in Kinadom | Fyamnles | | | |

| Domain | Kingdom | Examples |
|---------|------------|--|
| | Eubacteria | Streptococcus, Escherichia coli |
| Archaea | | |
| | Protist | |
| | | Mushrooms, yeasts |
| | Plantae | |
| | | Sponges, worms, insects, fishes, mammals |

Domain Bacteria (page 459)

- **12.** Circle the letter of each sentence that is true about members of the domain Bacteria.
 - **a.** They are multicellular.
 - **b.** They are prokaryotes.
 - c. They have rigid cell walls.
 - **d.** The cell walls contain peptidoglycans.
- **13.** Is the following sentence true or false? All members of the domain Bacteria are parasites. _____

| Do | omain Archaea (page 4 | 1 59) |
|-----|--|--|
| | | ence that is true about members of the domain Archaea. |
| | a. They are unicellular. | c. They lack cell walls. |
| | b. They are eukaryotes. | d. They lack cell membranes. |
| 15. | Is the following sentence tru | ue or false? Many members of the domain Archaea can |
| | survive only in the absence | of oxygen |
| Do | omain Eukarya (pages | 460–461) |
| 16. | . Circle the letter of each sente Eukarya. | ence that is true about all the members of the domain |
| | a. They have a nucleus. | |
| | b. They are multicellular. | |
| | c. They are heterotrophs. | |
| | d. They have cell walls and | chloroplasts. |
| Ma | tch each kingdom with the descr | ription that applies to members of that kingdom. |
| | Kingdom | Description |

a. They have cell walls of chitin.

d. They include mosses and ferns.

b. They have no cell walls or chloroplasts.c. They include slime molds and giant kelp.

Class_____

Date _____

Name____

____ **17.** Protista

_____ **18.** Fungi

_____ **19.** Plantae

_____ **20.** Animalia