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#### The Three-Domain System (page 458)

- 8. A more inclusive category than any other, including the kingdom, is the
- **9.** What type of analyses have scientists used to group modern organisms into domains?
- **10.** List the three domains.
  - a. \_\_\_\_\_
  - b. \_\_\_\_\_
  - с. \_\_\_\_\_
- **11.** Complete the chart below.

#### **CLASSIFICATION OF LIVING THINGS**

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. \_\_\_\_\_

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## **Domain Archaea** (page 459)

- 14. Circle the letter of each sentence 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 true or false? Many members of the domain Archaea can survive only in the absence of oxygen. \_\_\_\_\_

# Domain Eukarya (pages 460-461)

- **16.** Circle the letter of each sentence that is true about all the members of the domain Eukarya.
  - **a.** They have a nucleus.
  - **b.** They are multicellular.
  - **c.** They are heterotrophs.
  - d. They have cell walls and chloroplasts.

Match each kingdom with the description that applies to members of that kingdom.

Kingdom	Description
<b>17.</b> Protista	<b>a.</b> They have cell walls of chitin.
<b>18.</b> Fungi	<b>b.</b> They have no cell walls or chloroplasts.
<b>19.</b> Plantae	<b>c.</b> They include slime molds and giant kelp.
<b>20.</b> Animalia	<b>d.</b> They include mosses and ferns.