Name	Class	Date

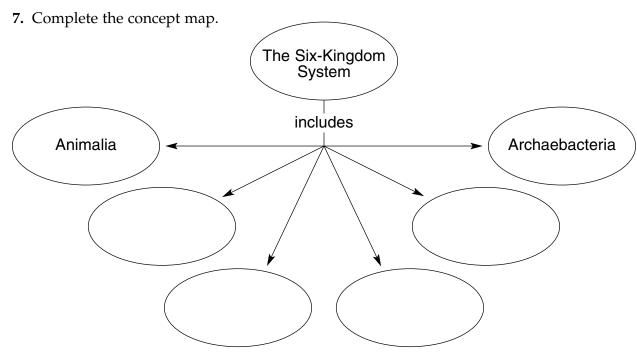
## Section 18-3 Kingdoms and Domains (pages 457-461)

TEKS FOCUS: 8C Characteristics of kingdoms—archaebacteria, eubacteria, protists, fungi, plants, animals

This section describes the six kingdoms of life as they are now identified. It also describes 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. \_\_\_\_



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

Domain Bact	<b>eria</b> (page 459)
<b>12.</b> Circle the le	tter of each sentence that is true about members of the domain Bacteria.
They are	multicellular.
They are	prokaryotes.
They hav	re rigid cell walls.
The cell v	valls contain peptidoglycans.
<b>13.</b> Is the follow	ring sentence true or false? All members of the domain Bacteria are
naracitos	

## **WordWise**

*Use the clues to help you identify the vocabulary terms from Chapter 18. Then,* put the numbered letters in the right order to spell out the answer to the riddle.

Clues

**Vocabulary Terms** 

Most inclusive taxonomic category

Group of similar families

Group of closely related classes

Type of classification based on evolutionary

history

Group of closely related orders

Group of closely related species

Branching diagram showing evolutionary change  $\frac{1}{7}$   $\frac{1}{8}$   $\frac{1}{9}$   $\frac{1}{9}$   $\frac{1}{9}$   $\frac{1}{9}$ 

One of two domains of unicellular prokaryotes

Group of genera that share many characteristics \_\_ \_ \_ \_ \_ \_ \_ \_ \_ \_ \_ \_ \_ \_ \_ \_

Group into which organisms are classified

The other domain of unicellular prokaryotes

- -  $\frac{}{13}$  - - - -

Domain of all organisms whose cells have nuclei

**Riddle:** What kind of clock does a paleontologist use?

Answer:  $\frac{}{1}$   $\frac{}{2}$   $\frac{}{3}$   $\frac{}{4}$   $\frac{}{5}$   $\frac{}{6}$   $\frac{}{7}$   $\frac{}{8}$   $\frac{}{9}$   $\frac{}{10}$   $\frac{}{11}$   $\frac{}{12}$   $\frac{}{13}$   $\frac{}{14}$