

## Evolution

Name:

### Differences Between Organisms

Period:

Use Chapter 10, Section 1 of your textbook to answer the questions below.

#### Section 1: Change over Time (p.298)

1. Even though they live in the same area, the frogs in Figure 1 look \_\_\_\_\_.

2. Look at Figure 1. The red-eyed tree frog survives because it is \_\_\_\_\_ in color, which allows it to hide in tree leaves at night.



3. Look at Figure 1. The smokey jungle frog survives because it is \_\_\_\_\_ in color, which allows it to hide on dead leaves on the jungle floor.

4. Look at Figure 1. The strawberry poison frog survives because it is \_\_\_\_\_ in color, which warns predators that it is poisonous.

#### Differences Between Organisms

5. An adaptation allows an organism to \_\_\_\_\_ and \_\_\_\_\_ in its environment.

6. \_\_\_\_\_ that help an organism to survive can be physical characteristics or behaviors.

7. If organisms can mate with each other and produce fertile offspring, the organisms are members of the same \_\_\_\_\_.

8. A \_\_\_\_\_ is made of members of the same species that live in the same place.

#### Do Species Change over Time?

\_\_\_\_\_ 9. How many different species are there on Earth?  
a. dozens      b. hundreds      c. thousands      d. millions

10. Scientists believe that Earth is \_\_\_\_\_ years old.

11. Since life first appeared on Earth, many species have \_\_\_\_\_, and other species have \_\_\_\_\_.

12. Scientists have observed that species have \_\_\_\_\_ over time.

\_\_\_\_\_ 13. What do scientists think happens as populations change over time?  
a. Species stay the same.      b. New species form.      c. Fossils die out.      d. Evolution stops.

14. When populations slowly change over time, it is called \_\_\_\_\_.