Evolution Name:

Forming a New Species Period:

Use Chapter 10, Section 3 of your textbook to answer the questions below. The word bank can be used to fill out the sentences below.

adaptations	changes	speciation	species

Forming a New Species (p.314)

1. Sometimes, new species can be formed by drastic _____ .

2. After a group becomes separated from a population, a new _____ may form.

3. Over time, separated populations may evolve different _____.

4. The forming of a new species by evolution is called _____.

5. Look at Figure 2. How many species of squirrel were created when the Grand Canyon formed? _____

Match the correct example with the correct part of speciation. Write the letter in the space provided.

_____ 6. A species of squirrels divides into two groups because of a canyon formed by an earthquake.

_____ 7. Over time, separated bird groups evolve different beaks for eating different kinds of seeds found on their particular island.

_____ 8. Frog groups separated for a long time in different lakes reunite after a heavy rainy season but cannot interbreed.

a. reproductive isolation

b. separation

c. adaptation

_____ 9. Look at Figure 4. Read through the steps, and think carefully about step 5. Why can't the birds flying back to the first island breed with the birds that are already there?

a. the birds on the original island are only male
b. the birds on the original island are only female
c. the birds are no longer the same species
d. the birds are not strong enough after flying from island to island