

**Evolution Review**

Use the word bank to answer the following questions:

Mutation	Fittest	Survival	Today
Homologous Structures	Sedimentary	Variation	Past

1. A cheetah has a flexible backbone that allows it to run faster than other big cats. Those cheetahs with the most flexible backbones can run the fastest, helping them catch more food to care for themselves and their young. This is an example of \_\_\_\_\_ of the \_\_\_\_\_.
2. In a population of salmon, a scientist notes that some fish have larger fins than others. These differences among the traits of organisms in a population are known as \_\_\_\_\_.
3. Fossils in the upper layer of the earth resemble organisms from \_\_\_\_\_ while deeper fossils look like organisms from the \_\_\_\_\_.
4. Evolution depends on \_\_\_\_\_ because this is the way that new traits are created.
5. The wing of a bat, the flipper of a whale, and the arm of a human show that those three organisms may have evolved from a common ancestor. These are known as \_\_\_\_\_.
6. Most fossils are formed in \_\_\_\_\_ rock.

Name: \_\_\_\_\_

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**Answer the following questions in complete sentences:**

7. Why did the population of peppered moths in England change from the light variation to the dark variation after the Industrial Revolution?

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8. Some scientists believe that giant woolly mammoths became extinct when the climate became warmer. Why might this change have led to their extinction?

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9. What is the importance of DNA in the human body? How does DNA relate to evolution?

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10. Think of an animal that lives in the snowy tundra. What are 3 adaptations this animal has developed? Detail how each adaptation benefits the animal in this habitat

Adaptation	Benefit

11. Think of an animal that lives in the Sahara desert. What are 3 adaptations this animal has developed? Detail how each adaptation benefits the animal in this habitat

Adaptation	Benefit

12. List the three types of camouflage and give an example of each:

Type of Camouflage	Example