






Name _____ Class _____ Date _____

- 1 Which pair of structures are **homologous**? 
- A wing of an insect and wing of a bird
 - B tentacle of a hydra and flipper of a whale
 - C front leg of an insect and bones in the leg of a human
 - D bones in the front leg of a dog and bones in the wing of a bat

- 2 Beak structures **differ** between individuals of one species of bird. **These differences most likely indicate** 
- A the presence of a variety of food sources
 - B a reduced rate of reproduction
 - C a large supply of one kind of food
 - D an abundance of predators


- 3 The bones in the **forelimbs** of three mammals are shown below. For these mammals, the number, position, and shape of the bones **most likely indicates** that they may have 

- 4 Which organism **lacks** a **specialized transport system**? 
- A earthworm
 - B grasshopper





PREVIEW

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- 8 
- B acquired characteristics
 - C use and disuse
 - D organic evolution


- C these animals may have had a common ancestor
- D gill slits and tails are required for embryonic development

- 9 To **communicate between cells**, many multicellular animals use 
- A nerve signals and respiratory gases
 - B respiratory gases and hormones
 - C bones and muscles
 - D nerve signals and hormones


- 10 Sheep and pigs have **more enzymes in common** than sheep and frogs do. **This finding may indicate that** 
- A none of these animals are related
 - B frogs are not related to pigs
 - C sheep are more closely related to pigs than to frogs
 - D frogs are more closely related to sheep than to pigs




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D

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D



A

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C


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C