Name: Date: Score: / 8

Bones and Embryos: Learn and Practice

Body clues that show shared ancestors

Read each question. Circle the best answer.

💡 Evidence in Bodies

- Homologous structures have similar bones but may do different jobs.
- They suggest that species share a common ancestor.
- Early embryos of many animals with backbones look very alike.
- human arm, bat wing, whale flipper: same bone pattern

1 What does common ancestor mean?

A. An early species two groups came from

B. A type of plant cell C. A pet that everyone owns

D. A modern animal

2 Early embryos of fish, chickens and humans all have a tail and pouches near the throat. What does this suggest?

A. They are the same species

B. They share a common ancestor

C. They will all become fish D. They eat the same food

3 🦇 A human arm, a bat wing and a whale flipper have similar bones. What are these called?

A. Reflexes B. Fossil fuels C. Homologous structures

D. Organelles

4 What is an embryo?

A. An adult animal B. A kind of rock

C. A type of fossil

D. An early stage of a developing organism

5 🦋 A bird wing and a butterfly wing both help with flying but are built very differently. What are they?

A. Fossil records B. Homologous structures

C. Analogous structures D. Identical organs

6 🐋 Whales have tiny hip bones they do not use for walking. What are these called?

A. Vestigial structures B. Analogous structures

C. Reflexes D. Organelles

7 🐱 Which pair has a similar pattern of arm bones?

A. A bat and a snail B. A cat and a human

C. A human and a jellyfish D. A cat and a worm

8 What do we call animals that have a backbone?

A. Vertebrates B. Insects C. Worms D. Jellyfish

ANSWER KEY

Bones and Embryos: Learn and Practice (answers)

Body clues that show shared ancestors

Read each question. Circle the best answer.

1 What does common ancestor mean?

A. An early species two groups came from

B. A type of plant cell C. A pet that everyone owns

D. A modern animal

2 Early embryos of fish, chickens and humans all have a tail and pouches near the throat. What does this suggest?

A. They are the same species

B. They share a common ancestor

C. They will all become fish D. They eat the same food

3 🦇 A human arm, a bat wing and a whale flipper have similar bones. What are these called?

A. Reflexes B. Fossil fuels

C. Homologous structures D. Organelles

4 What is an embryo?

A. An adult animal B. A kind of rock

C. A type of fossil

D. An early stage of a developing organism

5 🦋 A bird wing and a butterfly wing both help with flying but are built very differently. What are they?

A. Fossil records B. Homologous structures

C. Analogous structures D. Identical organs

6 🐋 Whales have tiny hip bones they do not use for walking. What are these called?

A. Vestigial structures B. Analogous structures

C. Reflexes D. Organelles

7 🐱 Which pair has a similar pattern of arm bones?

A. A bat and a snail **B. A cat and a human**

C. A human and a jellyfish D. A cat and a worm

8 What do we call animals that have a backbone?

A. Vertebrates B. Insects C. Worms D. Jellyfish