

Structure and Function of Vertebrates ▪ Chapter 12 Pre-Assessment

Write the letter of the correct answer on the line at the left.

- _____ 1. A group of similar cells that perform a specific function is called a(n)
 - a. organ.
 - b. tissue.
 - c. organ system.
 - d. organism.
- _____ 2. The major cause of extinction of species is
 - a. a change in the environment.
 - b. new diseases.
 - c. over-killing by predators.
 - d. competition with other species.
- _____ 3. The term for the extinction of many organisms at the same time is
 - a. Permian extinction.
 - b. Pangaea.
 - c. Cambrian explosion.
 - d. mass extinction.
- _____ 4. Most animals reproduce
 - a. sexually only.
 - b. asexually only.
 - c. with alternating sexual and asexual stages.
 - d. by binary fission.

Structure and Function of Vertebrates ▪ Section 12.1 Quiz

If the statement is true, write true. If the statement is false, change the underlined word or words to make the statement true.

- _____ 1. At some point in their lives, all chordates have a notochord, a nerve cord that runs down their back, and slits in their throat area.
- _____ 2. A vertebrate has a backbone that is part of an external skeleton.
- _____ 3. By studying fossils and other evidence, scientists have been able to infer the relationships of the major groups of vertebrates.
- _____ 4. The body temperature of most fishes, amphibians, and reptiles is warmer than their environment.
- _____ 5. An endotherm is an animal whose body does not produce much internal heat.

Structure and Function of Vertebrates ▪ Section 12.2 Quiz

Fill in the blank to complete each statement.

1. Most fishes obtain oxygen from water through _____.
2. _____ are thin, overlapping plates that cover the skin of fishes.
3. Most fishes reproduce by means of _____ fertilization.
4. The cartilaginous fishes have jaws and scales, as well as skeletons made of _____.
5. A _____ is a gas-filled sac that helps a fish stay stable at different depths.

Structure and Function of Vertebrates ▪ Section 12.3 Quiz

If the statement is true, write true. If the statement is false, change the underlined word or words to make the statement true.

- _____ 1. Most amphibians begin their lives on land.
- _____ 2. Most amphibians spend their adulthood on land, returning to water to reproduce.
- _____ 3. An adult amphibian's heart has two chambers.
- _____ 4. Adult amphibians use gills for obtaining oxygen.
- _____ 5. Worldwide, amphibian populations are increasing.

Structure and Function of Vertebrates ▪ Section 12.4 Quiz

Fill in the blank to complete each statement.

1. The skin, kidneys, and eggs of reptiles are adapted to _____.
2. Both lizards and snakes are reptiles that have skin covered with overlapping _____.
3. Both _____ are large, carnivorous reptiles that care for their young.
4. A turtle is a reptile whose body is covered by a shell that includes the _____ and the backbone.
5. _____ change may have caused the extinction of dinosaurs and other organisms.

Structure and Function of Vertebrates ▪ Section 12.5 Quiz

If the statement is true, write true. If the statement is false, change the underlined word or words to make the statement true.

- _____ 1. A bird is an endothermic egg-laying vertebrate that has feathers and a four-chambered heart.
- _____ 2. Contour feathers are specialized to trap heat.
- _____ 3. Air sacs and a four-chambered heart help birds obtain water and move it to their cells.
- _____ 4. The gizzard does for birds the same grinding function that teeth do for people.
- _____ 5. Compared to other animals, birds eat very little food in relation to their body weight.

Structure and Function of Vertebrates ▪ Section 12.6 Quiz

Fill in the blank to complete each statement.

1. All mammals are endothermic vertebrates that have a four-chambered heart and skin covered with _____.
2. Most mammals are born alive, and every young mammal is fed with milk produced in _____ glands.
3. The spiny anteater and the duck-billed platypus are mammals called monotremes, which reproduce by _____.
4. The combined action of rib muscles and the _____ enable mammals to breathe.
5. The size and shape of a mammal's _____ reflect the mammal's diet.