

Name: _____

1. Vertebrates belong to which phylum?
A. Vertebrata B. Cnidaria C. Chordata D. Animalia

For the next 5 statements, state whether each is A. TRUE Or B. FALSE

2. All chordates are vertebrates.
3. Sea squirts and lancets are in the same phylum as mammals.
4. All chordates have a backbone.
5. All chordates have a dorsal nerve cord.
6. All chordates have gill slits at some point in their life cycle.
7. According to Figure 6.23, which feature is shared by the greatest number of vertebrates?
A. Jaws B. Lungs C. Limbs D. Amnion
8. Which is FALSE concerning the vertebrate skeleton?
A. Endoskeleton C. Made of bone or cartilage
B. Made of living cells D. Must be shed periodically
9. How do the gills of bony fish differ from those of other fish?
A. Have a covering or operculum C. Have multiple gill openings
B. Exchange gases in the water D. There is no difference.
10. Which is a feature of amphibian respiration?
A. Have gills as larvae and lungs as adults.
B. Can breathe through their skin.
C. Both A. and B.
11. According to Figure 6.24, what feature is related to the efficiency of lungs in gas exchange?
A. Size of the animal C. Surface area of lungs
B. How the animal reproduces D. Rate of breathing
12. What is the problem of having two atria but only one ventricle, as in the hearts of amphibians and most reptiles?
A. Deoxygenated and oxygenated blood mix
B. The heart muscle cannot pump blood
C. Blood will flow backwards
D. Blood cannot get to the lungs.
13. Which vertebrates have internal fertilization and external development?
A. Most fish C. Birds
B. Amphibians D. Most mammals

