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| |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | | **Chordate Quiz due Feb 7th**  **Late Credit** | | | | |
| |  |  |  | | --- | --- | --- | |  |  | | | **1.** *1 pts.* | All chordates have a \_\_\_\_\_\_\_\_\_\_\_\_\_ which develops into the \_\_\_\_\_\_\_\_\_\_. | | |  | A. | notochord; brain | |  | B. | nerve cord; brain | |  | C. | notochord; tonsils | |  | D. | notochord; cartilage | |  |  | | | **2.** *1 pts.* | All animals belonging to the phylum chordata have each of the following except | | |  | A. | nerve cord | |  | B. | endostyle | |  | C. | vertebral column | |  | D. | phayngeal pouches |      |  |  |  | | --- | --- | --- | |  |  | | | **3.** *1 pts.* | Vertebrates are set apart from other chordates because they have | | |  | A. | a vertebral column | |  | B. | a skull | |  | C. | an elaboration of a brain | |  | D. | sensory organs on their heads | |  | E. | pharyngeal slits | |  |  | | | **4.** *1 pts.* | \_\_\_\_\_\_\_\_\_\_\_\_\_\_ are placed in phylum chordata but are NOT in the same subphyla as lampreys. | | |  | A. | lancelets | |  | B. | jawed fish | |  | C. | echinoderms | |  | D. | osteichthyes | |  |  | | | **5.** *1 pts.* | The thyroid gland is believed to have developed from the | | |  | A. | endostyle | |  | B. | pharyngeal slits | |  | C. | nerve cord | |  | D. | notochord | |  |  | |  |  |  |  | | --- | --- | --- | |  |  | | | **6.** *1 pts.* | All of the iodine in your blood is nearly absorbed by the your thyroid. | | |  | True | | |  | False | | |  |  | | | **7.** *1 pts.* | In early chordates the thyroids function could be described as | | |  | A. | a cartilaginous lung | |  | B. | a structure that secreted enzymes | |  | C. | a structure that aided in filter feeding | |  | D. | a center of nerves | |  |  | | | **8.** *1 pts.* | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is small, fishlike, translucent and found in shallow marine waters in various regions of the world. | | |  | A. | The sea squirt | |  | B. | Amphioxus | |  | C. | Hagfish | |  | D. | The lamprey | |  |  | | | **9.** *1 pts.* | Lancelets and sea squirts have a pharynx that is | | |  | A. | used for the passage of air | |  | B. | used for food collection | |  | C. | mostly made of bone | |  | D. | located on the dorsal side of the animal near that tail | |  |  | | | **10.** *1 pts.* | Lancelets and sea squirts have gills that are used for food collection. | | |  | True | | |  | False | | |  |  | | | **11.** *1 pts.* | Lancelets evolved during the \_\_\_\_\_\_\_\_\_\_\_\_\_\_ aproximately \_\_\_\_\_\_\_\_\_\_\_\_ mya. | | |  | A. | Devonian Era; 350 | |  | B. | Ordovician Period; 420 | |  | C. | Cambrian Period; 520 | |  | D. | Precambrian Era; 540 | |  |  | | | **12.** *1 pts.* | The shallow waters underneath the causway in Florida provide a perfect habitat for amphioxus. | | |  | True | | |  | False | | |  |  | | | **13.** *1 pts.* | The first tunicates evolved during the early cambrian aproximately 540 mya. | | |  | True | | |  | False | | |  |  | | | **14.** *1 pts.* | Adult tunicates lack nerves. | | |  | True | | |  | False | | |  |  | | | **15.** *1 pts.* | Sea squirts have two holes; one allows water to flow in and the other, allows water to flow out. | | |  | True | | |  | False | | | **16.** *1 pts.* | Tunicates are marine and sessile. | | |  | True | | |  | False | | |  |  | | | **17.** *1 pts.* | According to the cladogram on the last page of the powerpoint, reptiles are most closely related to | | |  | A. | birds | |  | B. | mammals | |  | C. | amphibians | |  | D. | fish | |  |  | | | **18.** *1 pts.* | The notochord is replaced by a vertebral column in most vertebrates during their embryonic development. | | |  | True | | |  | False | | |  |  | | | **19.** *1 pts.* | Lancelets do not have a heart or paired fins. | | |  | True | | |  | False | | |  |  | | | **20.** *1 pts.* | Vertebrates make up the majority of all animals. | | |  | True | | |  | False | | |