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| **Chordate Quiz due Feb 7th****Late Credit** |

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| **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 |

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| **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 |
|  |  |

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| **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 |

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