

Name: \_\_\_\_\_

Quiz #1

1. The gills and heart of the lamprey are surrounded by an irregularly shaped cartilage called the \_\_\_\_\_.
2. In lamprey, epidermal \_\_\_\_\_ adorn the surface of the tongue and the inner surface of the oral sucker.
3. A single dorsal nostril, located anterior to the brain, opens into the \_\_\_\_\_, enabling the lamprey to smell.
4. A series of pores, representing the \_\_\_\_\_, occur on the head of lamprey in close association with the eyes and buccal funnel.
5. The main longitudinal skeletal support of an adult lamprey consists of an unstricted \_\_\_\_\_ extending from the tail tip to just below the ventral surface of the brain. Small blocks of cartilage (arcualia) lie dorsal to this and represent primitive vertebrae.
6. Two structure run parallel to the notochord in lamprey, one on the dorsal side and one on the ventral side. Name them.

## WORD BANK

Afferent branchial arteries  
Annular cartilage  
Anterior cardinal veins  
Anus  
Archinephrin duct  
Atrium  
Brain  
Branchial basket  
Branchial pouch  
Buccal funnel  
Buccal papillae  
Carotid arteries  
Caudal artery  
Caudal fin  
Caudal vein  
Choroid retinal layer  
Circular muscle  
Cloacal aperture  
Dorsal aorta  
Dorsal fin  
Ear vesicle  
Efferent branchial arteries  
Esophagus  
External gill slits  
Eyes  
Forebrain  
Gallbladder  
Gill filaments  
Gill pouches  
Gill slits  
Heart  
Hepatic vein  
Hindbrain  
Hypohyseal sac  
Internal gill slits  
Intestine  
Kidneys  
Lateral eyes  
Lateral line system  
Lingual cartilage  
Liver  
Midbrain  
Mouth  
Myomeres  
Myosepta  
Nostril  
Notochord  
Olfactory sac  
Olfactory vesicle  
Oral glands  
Oral hood  
Oral lobes  
Ovary  
Pericardial cartilage  
Pericardial cavity  
Pharynx  
Pineal organ  
Pleuro-peritoneal cavity  
Posterior cardinal veins  
Pronephric tubules  
Respiratory tube  
Right common cardinal vein (duct of Cuvier)  
Sinus vonosus  
Spinal cord  
Subpharyngeal gland  
Teeth  
Testis  
Tongue  
Toothlike organs  
Transverse septum  
Urogenital papilla  
Velum  
Ventral aorta  
Ventral jugular vein  
Ventricle