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 unconstricted \_\_\_\_\_\_\_\_\_\_\_ 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