Head and Neck Skull and Cranial Nerves



This worksheet will help review the skull and summarize the functional columns in the cranial nerves.

Skull Review: Matching

Use the bank and indicate the appropriate letter next to each description. Some options may be used more than once or not at all.

Bank:

- A. Coronal suture
- B. Coronoid process
- C. Endochondral ossification
- D. Foramen magnum
- E. Foramen ovale
- F. Foramen rotundum
- G. Foramen spinosum
- H. Internal Acoustic Meatus
- I. Intramembranous ossification
- J. Jugular foramen
- K. Lacrimal bone
- L. Lambdoid suture
- M. Nasal bone
- N. Occipital bone: basilar portion
- O. Occipital bone: squamous portion

- P. Palatine bone
- Q. Parietal bone
- R. Sagittal suture
- S. Sphenoid bone
- T. Styloid process
- U. Stylomastoid foramen
- V. Tympanic canaliculus
- W. Vomer
- X. Zygomatic arch
- Y. Zygomatic bone
- Z. None of the above
- 1. Four corners of this bone are not ossified at birth and give rise to the fontanelles.
- 2. Type of ossification of the squamous portion of the occipital bone.
- 3. Portion of occipital bone that is immediately anterior to the foramen magnum and articulates with the petrous part of the temporal and sphenoid bones.
- 4. This landmark lies between the jugular foramen and the carotid canal.
- 5. A projection from the temporal bone, and the stylomastoid foramen lies posterior to this process.
- 6. The mandibular branch of the trigeminal nerve passes through this foramen.
- 7. This bone articulates with the frontal process of the maxilla, orbital plate of the ethmoid bone, the frontal bone, and the inferior nasal concha.
- 8. This bone articulates with the zygomatic process of the maxillary bone to help form the orbit.
- 9. This bone has a labyrinth that includes the superior, middle, and inferior nasal conchae.
- 10. Suture that joins the two parietal bones.
- 11. The middle meningeal artery passes through this structure.
- 12. This bone has the optic canal.
- 13. Cranial nerves VII and VIII enter this part of the temporal bone.
- 14. The vertebral arteries and spinal roots of the spinal accessory nerve pass through here.
- 15. The glossopharyngeal nerve along with two other cranial nerves pass through here.

GSA		
Cranial Nerve	Origin of Fibers	Pathway
Trigeminal (V)		
Facial (VII)		
Glossopharyngeal (IX)		
Vagus (X)		

For each of the tables, indicate the origin of fibers and pathways.

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SVA		
Cranial Nerve	Origin of Fibers	Pathway
Olfactory (I)		
Facial (VII)		
Glossopharyngeal (IX)		
Vagus (X)		

GVA		
Cranial Nerve	Origin of Fibers	Pathway
Glossopharyngeal (IX)		
Vagus (X)		

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GVE		
Cranial Nerve	Origin of Fibers	Pathway
Oculomotor (III)		
Facial (VII)		
Glossopharyngeal (IX)		
Vagus (X)		

GSE		
Cranial Nerve	Origin of Fibers	Pathway
Oculomotor (III)		
Trochlear (IV)		
Abducens (VI)		
Hypoglossal (XII)		

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SVE		
Cranial Nerve	Origin of Fibers	Pathway
Trigeminal (V)		
Facial (VII)		
Glossopharyngeal (IX)		
Vagus (X)		
Accessory (XI)		