

Sphenoid Bone Quiz Answer Key PDF

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The optic canal is found in which part of the sphenoid bone?

- A. Greater wings
- B. Lesser wings ✓**
- C. Pterygoid processes
- D. Body

Which part of the sphenoid bone contains the sphenoidal sinuses?

- A. Greater wings
- B. Lesser wings
- C. Body ✓**
- D. Pterygoid processes

What are potential complications of sphenoid bone fractures? (Select all that apply)

- A. Vision problems ✓**
- B. Hearing loss
- C. Damage to the optic nerve ✓**
- D. Sinusitis ✓**

Which of the following are foramina found in the sphenoid bone? (Select all that apply)

- A. Foramen ovale ✓**
- B. Foramen magnum
- C. Foramen spinosum ✓**
- D. Foramen rotundum ✓**

Which bone does the sphenoid NOT articulate with?

- A. Frontal
- B. Parietal
- C. Mandible ✓**
- D. Temporal

Which foramen transmits the maxillary nerve?

- A. Foramen ovale
- B. Foramen rotundum ✓**
- C. Foramen spinosum
- D. Superior orbital fissure

Which cranial nerve passes through the superior orbital fissure?

- A. Optic nerve
- B. Olfactory nerve
- C. Trigeminal nerve ✓**
- D. Facial nerve

What is the primary function of the sphenoidal sinuses?

- A. Produce red blood cells
- B. Lighten the weight of the skull ✓**
- C. Store calcium
- D. Protect the brain

What shape is the sphenoid bone often compared to?

- A. Cube
- B. Butterfly ✓**
- C. Sphere
- D. Pyramid

Which bones articulate with the sphenoid bone? (Select all that apply)

- A. Ethmoid ✓**
- B. Occipital ✓**

C. Mandible

D. Zygomatic ✓

The sphenoid bone contributes to which of the following? (Select all that apply)

A. Floor of the middle cranial fossa ✓

B. Roof of the nasal cavity

C. Floor of the anterior cranial fossa ✓

D. Formation of the orbit ✓

Which cranial nerves pass through the superior orbital fissure? (Select all that apply)

A. III (Oculomotor) ✓

B. IV (Trochlear) ✓

C. V1 (Ophthalmic branch of Trigeminal) ✓

D. VII (Facial)

Where is the sphenoid bone located in the human body?

A. In the arm

B. At the base of the skull ✓

C. In the leg

D. In the rib cage

Which structures are part of the sphenoid bone? (Select all that apply)

A. Greater wings ✓

B. Lesser wings ✓

C. Pterygoid processes ✓

D. Mastoid process