Name: _____ **Date:** _____

Warm-Up: Axial Skeleton & Vertebral Column (p146-154)

Short Answer

1. The large hole located in the base of the occipital bone that allows the spinal cord and brain to connect is the _____.

2. The external acoustic meatus is found on the _____ bone.

Multiple Choice
Identify the choice that best completes the statement or answers the question.

____ 3. The suture found between the parietal and temporal bone is the:
Ⓐ squamous suture
Ⓑ lambdoid suture
Ⓒ sagittal suture
Ⓓ coronal suture
Ⓔ both the squamous suture and the sagittal suture

____ 4. All of the following facial bones are paired except one. Which of the following is the unpaired facial bone:
Ⓐ palatine
Ⓑ lacrimal
Ⓒ vomer
Ⓓ maxillae
Ⓔ zygomatic

____ 5. The fibrous connections between the bones of a fetal skull are:
Ⓐ alveolar margins
Ⓑ sinuses
Ⓒ palate
Ⓓ crista galli
Ⓔ fontanels

____ 6. The sella turcica is part of the _____ bone.
Ⓐ parietal
Ⓑ ethmoid
Ⓒ sphenoid
Ⓓ temporal
Ⓔ frontal

____ 7. Transverse foramina are found in the:
Ⓐ sacrum
Ⓑ coccyx
Ⓒ thoracic vertebrae
Ⓓ lumbar vertebrae
Ⓔ cervical vertebrae

____ 8. The atlas is the:
Ⓐ last lumbar vertebra
Ⓑ first thoracic vertebra
Ⓒ part of the sacrum
Ⓓ second cervical vertebra
Ⓔ first cervical vertebra

True/False: *Indicate whether the statement is true or false.*

____ 9. The master gland of the body (pituitary gland) is housed in a saddlelike depression in the temporal bone called the *sella turcica*.

____ 10. The zygomatic bones form the cheekbones.

____ 11. The spinal cord passes through the body of each vertebra.

____ 12. The intervertebral discs that cushion the spine and absorb shock are composed of fibrocartilage.

____ 13. There are seven cervical, twelve thoracic, and five lumbar vertebrae.

____ 14. Spinal curvatures that are present at birth are called primary curvatures (the cervical and lumbar curvatures) and those that develop later are secondary curvatures (the thoracic and sacral curvatures).

Essay

15. Explain how atlas and axis are different from other vertebrae. Discuss the roles they play in the body.