

Human Anatomy & Physiology

Bones of the Axial Skeleton
And Their Markings

VERTEBRAL COLUMN:

Be able to tell difference between:

Cervical vertebrae

Atlas

Axis

Thoracic Vertebrae

Lumbar Vertebrae

Sacral Vertebrae

Coccygeal Vertebrae

Know the following markings on the bones:

Cervical vertebrae

spinous process (Bifid)

vertebral foramen

lamina

pedicle

transverse process

transverse foramen

superior and inferior articulating surfaces

body

Axis (“no” bone)

All the above plus:

Dens(odontoid process)

Articulates with ?

Atlas (“yes” bone)

Anterior and posterior arches

Transverse process and foramina

Articulates with ?

Thoracic Vertebrae

spinous process

vertebral foramen

intervertebral notch (forms half of opening for spinal nerves)

lamina (2)

pedicles (2)

transverse process

superior and inferior articulating surfaces

articulating surfaces for ribs (facets & demifacets)

body

Lumbar Vertebrae

spinous process

vertebral foramen

intervertebral notch (forms half of opening for spinal nerves)
lamina (2)
pedicles (2)
transverse process
superior and inferior articulating surfaces
body

Sacral Vertebrae

Median sacral crest
Dorsal sacral foramina
Sacral canal
Surface for articulation w/ Ilium (Sacroiliac joint)
Transverse lines
Anterior sacral foramina

Coccygeal Vertebrae (coccyx)

No markings to know

Sternum (3 parts)

Manubrium
Body
Xiphoid process

Ribs

Head
Neck
Shaft
Costochondral border & costal cartilage
Costal groove
Articular facets (for body of verts)
Tubercle (for spinous pr of verts)
Angle