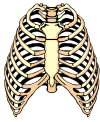


## **Bio& 241 (A&P) Unit 2 Lab 2: The Axial Skeleton**

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### **VERTEBRAL COLUMN-**

Special Features

#### **Normal Curves**

Primary:

Thoracic  
Sacral

Secondary:

Cervical  
Lumbar

#### **Abnormal Curves**

Kyphosis  
Lordosis  
Scoliosis

### VERTEBRAL COLUMN BONES [26]

#### **Vertebra** (general features)

Body  
Neural arch  
    Pedicles  
    Laminae  
Spinal (or vertebral) foramen  
Transverse processes  
Spinous process  
Superior articulating processes  
Inferior articulating processes  
Intervertebral foramen

#### **Cervical vertebrae** [7]

Transverse foramen  
Atlas (1st cervical)  
    Superior articular surface  
    Inferior articular surface  
Axis (2nd cervical)  
    Ondontoid process (or dens)

#### **Thoracic vertebrae** [12]

Rib facets or demifacets

#### **Lumbar vertebrae** [5]

Lack rib facets and transverse foramina

#### **Sacrum** [1]

Fused bone consisting of 5 vertebrae  
Sacral promontory  
Sacral foramina (pelvic & dorsal)  
Auricular surface

#### **Coccyx** [1]

Fused bone consisting of 3-5 vertebrae

### THORACIC BONES [25]

#### **Sternum** [1]

Manubrium  
Body (or gladiolus)  
Jugular (or suprasternal) notch  
Xiphoid process

#### **Ribs** [12 pair]

Head  
Neck  
Tubercle  
Body (or shaft)  
Costal groove  
Costal cartilages

#### **Types of ribs**

True ribs  
False ribs  
Floating ribs