

# Unit 2, Lab 1

## PTA 106 Regional Anatomy and Physiology

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### **SURFACE ANATOMY:**

Jugular or suprasternal notch

Sternal angle

Manubrium

Body of the sternum

Xiphisternal joint

Costal margin

Costal arch

Anterior median line

Midclavicular lines

Intermammary cleft

Axillary fossa

Anterior axillary line

Anterior axillary fold

Midaxillary line

Posterior axillary line

Posterior median line

Scapular lines

Epigastric fossa

Iliac crest

Umbilicus

Linea alba

Rectus abdominis

Serratus anterior

Semilunar line

### **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

Intervertebral disc

#### **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

**PECTORAL (OR SHOULDER) GIRDLE**

**Clavicles** [2]

Sternal extremity  
Acromial extremity  
Conoid tubercle

**Scapula** [2]

Borders:  
Superior  
Vertebral (medial)  
Axillary (lateral)  
Angles:  
Superior (medial)  
Inferior  
Fossae:  
Sub scapular  
Supraspinatous  
Infraspinatous  
Glenoid cavity (or fossa)  
Spine  
Acromion process  
Coracoid process

**PELVIC (OR HIP) GIRDLE [2]**

**Os Coxae** (or os innominatum) [2]

Ileum portion  
Iliac crest  
Iliac spines:  
Anterior superior  
Anterior inferior  
Posterior superior  
Posterior inferior  
Greater sciatic notch  
Acetabulum  
Iliac fossa  
Ischium portion  
Ischial tuberosity  
Ischial spine  
Lesser sciatic Notch  
Pubic portion  
Symphysis pubis  
Superior pubic ramus  
Inferior pubic ramus  
Pubic arch  
Pubic crest  
Obturator foramen