

**What are the parts of the skeletal system?**

**Bones , ligaments, tendons, cartilage**

**What are the functions of the skeletal system?**

**Gives the body its shape, protects organs, levers for movement, mineral storage, blood cell formation**

**How are bones classified?**

**Bones are classified by shape**

**Give some  
examples of bone  
classification**

**Long bone: humerus, femur  
Short bone: trapezoid (wrist)  
Flat bone: sternum  
Irregular bone: vertebrae**

**What is an  
example of a long  
bone?**

**humerus, femur**

**What is an  
example of a  
short bone?**

**trapezoid (in the  
wrist)**

**What is an  
example of a flat  
bone?**

**sternum**

**What is an  
example of an  
irregular bone?**

**vertebrae**

**What are the 3  
parts of a long  
bone?**

**diaphysis, epiphysis,  
and epiphyseal  
plate (or line)**

**Where is yellow marrow in a long bone?**

**Yellow marrow is in the medullary cavity of a long bone.**

**What is the periosteum?**

**The periosteum is the outside covering of bone.**

**What are some features of compact bone?**

**Some features of compact bone include: location: diaphysis - tightly packed cells – Haversian systems – osteocytes – canaliculi (canals to connect bone cells) – lamellae (anchors bone cells).**

**What are some characteristics of spongy bone?**

Some characteristics of spongy bone include: location: epiphysis – made of trabeculae (gives it a “spongy” look) – contains red marrow – lighter than compact bone

**What are the three types of joints in the human body and examples of each?**

Fibrous: sutures in skull  
Cartilaginous: vertebrae, between ribs and sternum  
Synovial: knee, elbow

**What are some types of synovial joints?**

Gliding joints: wrists  
Saddle joint: thumb  
Hinge joint: elbow  
Pivot joint: neck, forearm  
Ball & Socket joint : hip

**What is a hole in the skeletal system called?**

**A hole in the skeletal system is called a foramen.**

**What is a tunnel or canal called?**

**A tunnel or canal in a bone is called a meatus.**

**What is a protrusion on a bone called?**

**A protrusion on a bone is called a process.**

**What are the cavities in the cranium called?**

**A cavity in the cranium is called a sinus.**

**What is the process of bone formation called?**

**The process of bone formation is called ossification.**

**List some types of fractures and their characteristics**

Simple fracture – clean break  
Compound fracture – bone breaks the skin  
Comminuted fracture – bone breaks into pieces  
Compression fracture – bone is crushed  
Depressed fracture – bone pressed inward  
Impacted fracture – bone ends pressed together  
Spiral fracture – twisting force  
Greenstick fracture – common in children

**What is an abnormal lateral curvature of the spine?**

**An abnormal lateral curvature of the spine is called scoliosis.**