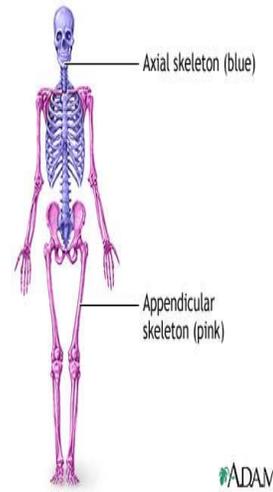


Skeletal System



I. Our _____ is divided into 2:

- _____ **Skeleton:** Bones that form the longitudinal axis of the body
- _____ **Skeleton:** Bones of the _____ & _____.

II. Bone Classification

-There are _____ bones in the human body.

**Types of Bone Tissue

- _____ : Dense, looks smooth.
- _____ : Composed of small needle-like pieces.

**Shapes of Bones

1. _____

- Longer than they are wide
- Have a _____ with a head at both ends.
- Made mostly of _____ bone.
- Found in the _____ of the body.

2. _____

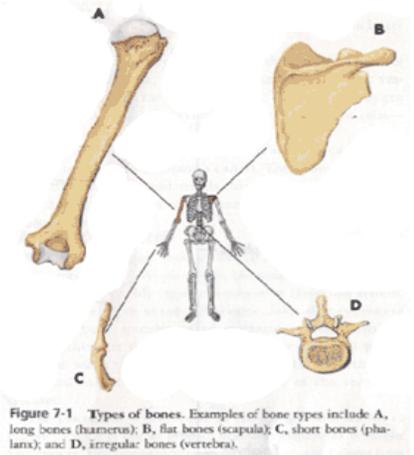
- Generally _____ shaped.
- Contain mostly _____ bone.
- Found in the _____ & _____.

3. _____

- Thin, _____, and usually _____.
- _____ thin layers of compact bone covering _____ bone.
- Found in the _____, _____, & _____.

4. _____

- Bones that do not fit into the _____.
- _____ and _____.

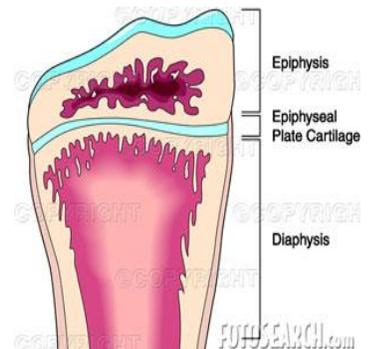


III. Structure of a Long Bone

_____ : Shaft (long, thin part of the bone). Makes up most of the bone's _____. Made of _____ bone.

Periosteum: Fibrous _____ tissue that _____ the diaphysis.

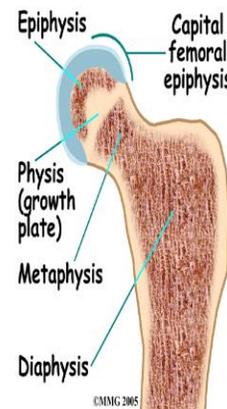
_____ : _____ of the long bone. Made of compact & spongy bone.



Articular Cartilage: _____ cartilage that covers the _____.

Provides a smooth _____ at the joint for movement.

_____ : Cartilage found in the _____ of young, growing _____. Allows for bone growth. By the end of puberty, the cartilage is replaced by bone forming a “scar” called an _____.



**In adults, the shaft of long bones store _____ called _____.

The only place to find _____ is the cavities of _____ and the _____ of some long bones.

**The bones of most young children are made of _____. As you grow into an adult, the cartilage hardens into _____ by a process called _____.

Osteoblasts: _____ cells.

Osteoclasts: _____ cells. Activated when calcium levels fall.

IV. Fractures: A _____ in the bone.

Types: Simple, Compound, Comminuted, Compression, Depressed, Impacted, Spiral, & Greenstick (See your Chart)

- A fracture is treated by _____, realignment of the broken bone ends

1. _____: Bone ends are realigned by a doctor.
2. _____: Surgery is performed and bone ends are secured by _____.

