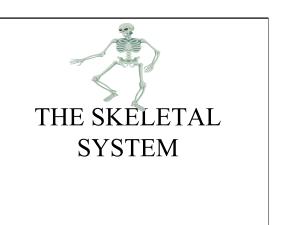
Phys - Unit2: Skeletal TOC#2

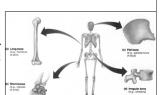


I. Bone Functions

- A. Support
- B. <u>Protection-skull</u>, vertebral column and ribs serve to protect
- C. Movement-bones attach to muscles by tendons
- Mineral storage- store many types of minerals, most important are calcium and phosphate.
- E. <u>Blood cell formation</u>-called hematopoiesis and occurs inside marrow cavities.

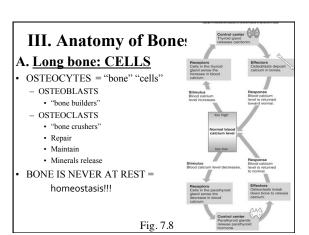
II. Classification of Bones

- A. Long bones-all limb bones but patella, wrist and ankle. Mostly compact bone.
- B. Short bones-wrist and ankle bones, square shape.
- C. <u>Flat bones</u>-sternum, skull, rib bones
- D. <u>Irregular bones-</u> vertebrae, hips, mostly spongy bone.



A. Long bonesA. Consist of: A. Epiphysis - End B. Diaphysis - Shaft C. Membranes such as: A. Periosteum Covering of bone B. Osteoblasts - Cell C. Osteoclasts - Cell D. Spongy bone and compact bone.

A. Long bonesA. Periosteum – • Anchors tendons and ligaments to bone • Allows passage of blood vessels, lymphatics and nerves into and out of the bone. • Participates in growth



Phys - Unit2: Skeletal TOC#2

B. All other bones1. Not cylindrical 2. Contain: 1. Periosteum 2. Compact Bone 3. Spongy Bone. Diaphysis Promur Diaphysis

