

## Midterm Review

### *Things to Review:*

#### I. Bone Biology

- A. 4 geometric types of bone
- B. composition of bone
- C. structure of bone
  - types of bone
  - sections of bone
  - microscopic arrangement of bone
- D. bone growth
  - ossification
  - remodeling

#### II. Musculoskeletal System

- A. elements of the system
- B. joint types (in terms of movement and geometric properties)

#### III. Human Osteology

- A. all human bones
- B. all teeth (including deciduous)
  - basic dental anatomy
  - four types of teeth and their functions
  - dental formulae
  - special directional terms
  - basic dental pathology and variation
- C. all anatomical terms gone over in class
  - features of bone
  - directions
  - normae
- D. articulations

#### IV. Bipedalism

- A. Changes to or unique morphology of the human body as a result of bipedalism.

#### V. Lab Exercises

- A. all fill-in-the-blanks
- B. all critical thinking questions

### *Things to Do:*

1. Lay out the entire skeleton on your lab table to see how all the bones articulate.
2. Mix up all the hand and foot bones and work on separating them.
3. Go through the box of teeth and separate them according to position in the mouth.
4. Make a table of joint types with articulations.
5. Sketch and label the cross-section of a tooth.