

Human Osteology

- 1) Make sure you are familiar with the bones of the human body, as per the diagram of the human skeleton. Be able to identify the proximal and distal ends of each long bone (except the fibula).
- 2) Also make sure you are familiar with the particular bones, features or landmarks on bones as per the following list.

Skull

zygomatic arch
 mastoid process
 external auditory meatus
 sagittal suture
 supraorbital torus
 maxilla (superior maxillary)
 mandible (inferior maxillary)
 occipital condyles
 foramen magnum
 mandibular condyle (head)

Vertebrae

atlas
 axis
 sacrum
 coccyx
 spinous process
 transverse process
 vertebral foramen

Tarsal bones

astragalus (talus)
 calcaneum (os calcis)

Skull bones

frontal
 parietal
 temporal
 occipital

Innominate (pelvic bone)

ilium
 ischium
 pubis
 acetabulum
 pubic symphysis

Teeth

incisor
 canine
 premolar (bicuspid)
 molar

- 3) Dental formulas - understand how dental formulas are determined and recorded.

Human dental formula

$\frac{2}{2} \cdot \frac{1}{1} \cdot \frac{2}{2} \cdot \frac{3}{3}$

Ancestral mammalian formula

$\frac{3}{3} \cdot \frac{1}{1} \cdot \frac{4}{4} \cdot \frac{3}{3}$

There will be a practical quiz on this material Wednesday, March 1st