## Animal Anatomy and Physiology

- 1. Enumerate through illustration and describe each Level of Organization
- Cytoplasmic differences within the cell
- Cellular multicellular (specialization) or colonial (all individual cells can produce) ]
- Tissue cells aggregate with similar functions
- Organ tissues aggregate to form specialized function (dominant tissue generally present)
- System organs operate together, 11 different organ systems in animals
- 2. In terms of bilateral symmetry: differentiate frontal, sagittal and transverse planes.

**Sagittal Plane**: Cuts the body into left and right halves. Forward and backward movements.

**Coronal (or Frontal Plane)**: Cuts the body into front and back halves. Side-to-side movements.

**Transverse Plane**: Cuts the body into top and bottom halves. Twisting movements.

- 3. Identify each name when referring the anterior, posterior, ventral, medial, lateral, distal and proxima.
- 4. What are the different tils lest illustrate and describe each.
  - a) Epithelial result cover internation external surfaces function in Extraction, secretion in absorption.
  - (b) Connective tissue function for support, transport, binding, connection of other tissues.
  - c) Muscle tissue specialized of contraction made of muscle fibers
  - d) Nervous tissue send and receive stimuli from one organ to another