

Organization of the Human Body



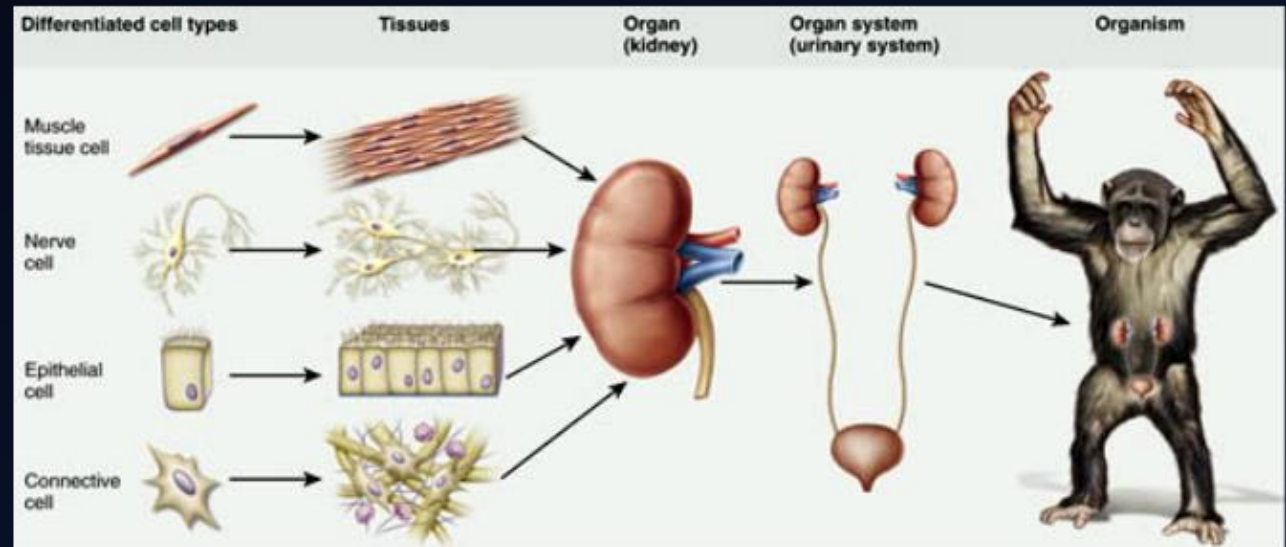
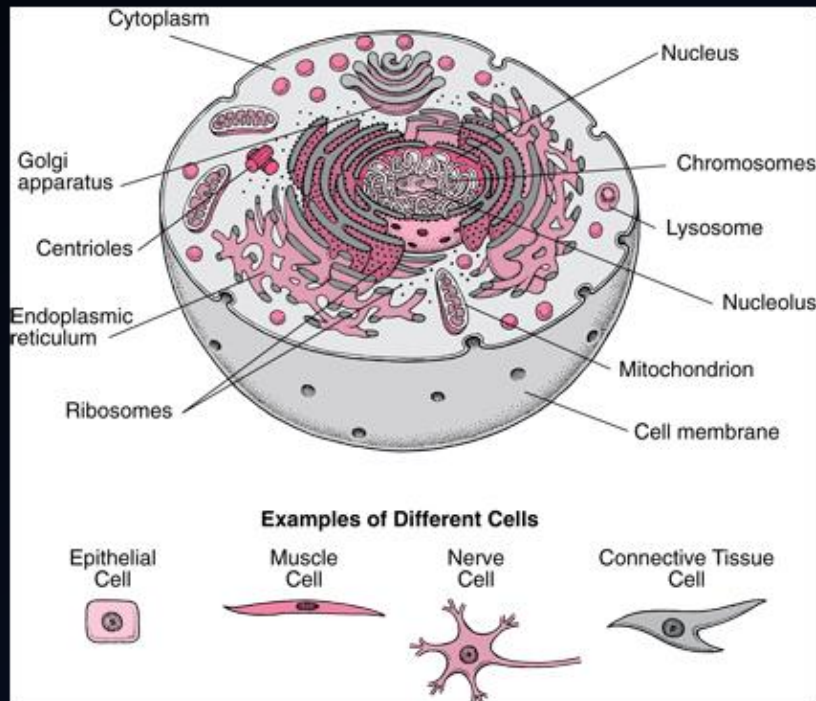
THE STRUCTURES OF ANIMALS

Make Your Structure Pyramid

- Using the following terms and images make your pyramid foldable
 - You must have **good colored images** that clearly communicate your understanding of the topic
 - The definitions **clearly written**
 - Your **name and period** on the inside of your pyramid

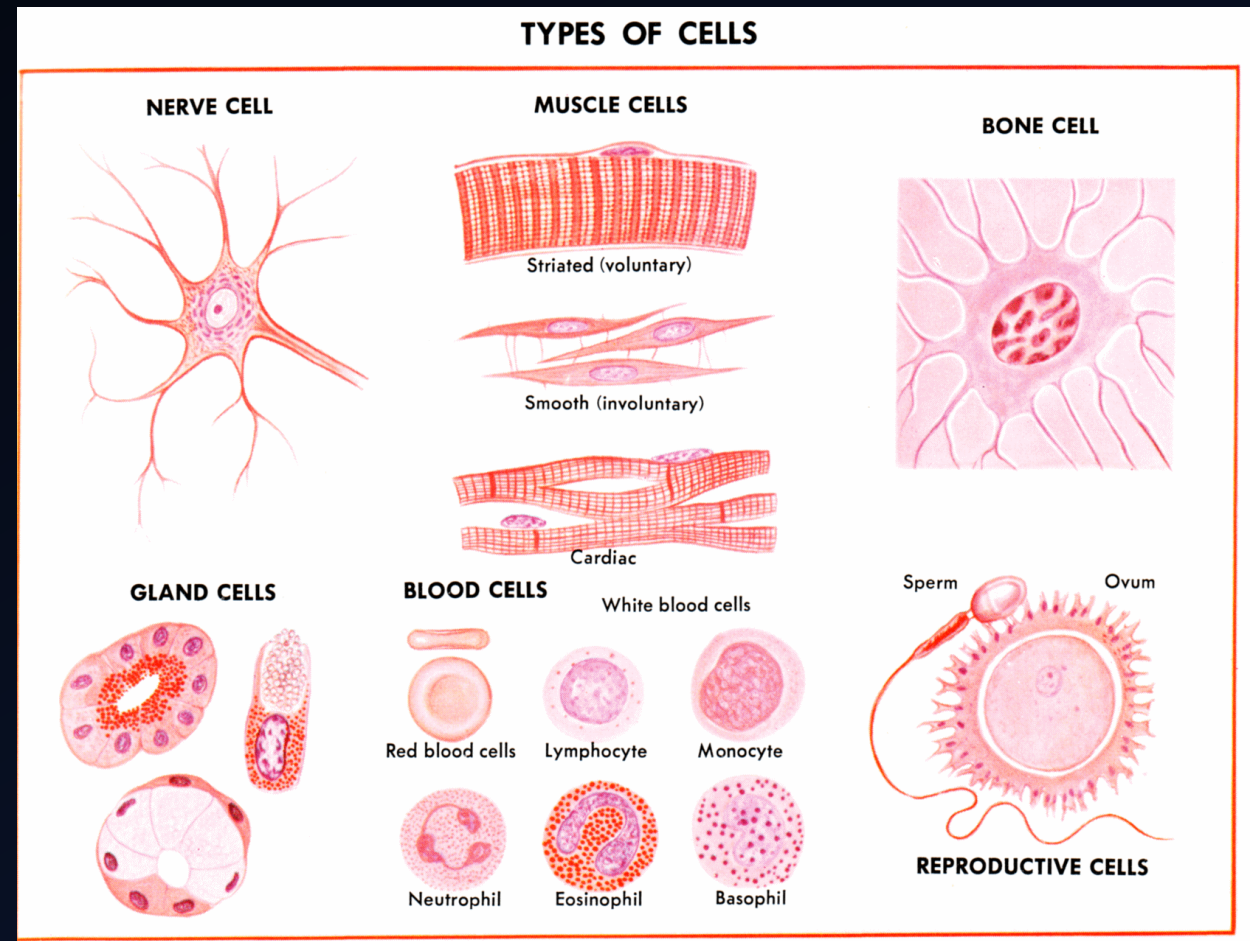
All Animals Have an Organization

- Cells
- Tissues
- Organs
- Organ Systems
- Organisms



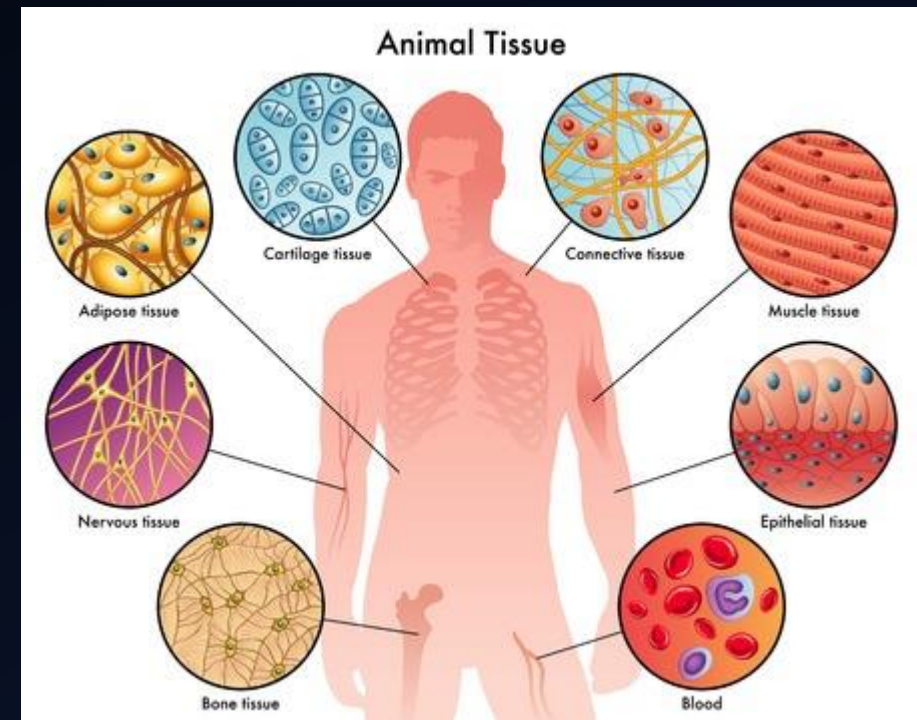
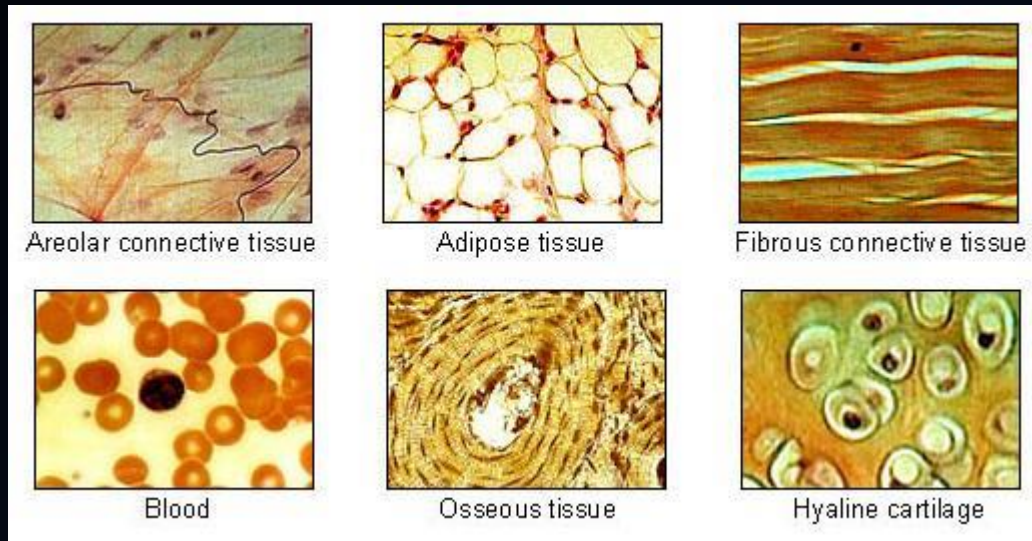
Cells

- The basic unit of an animal structure
- Contains the DNA
- Becomes specialized

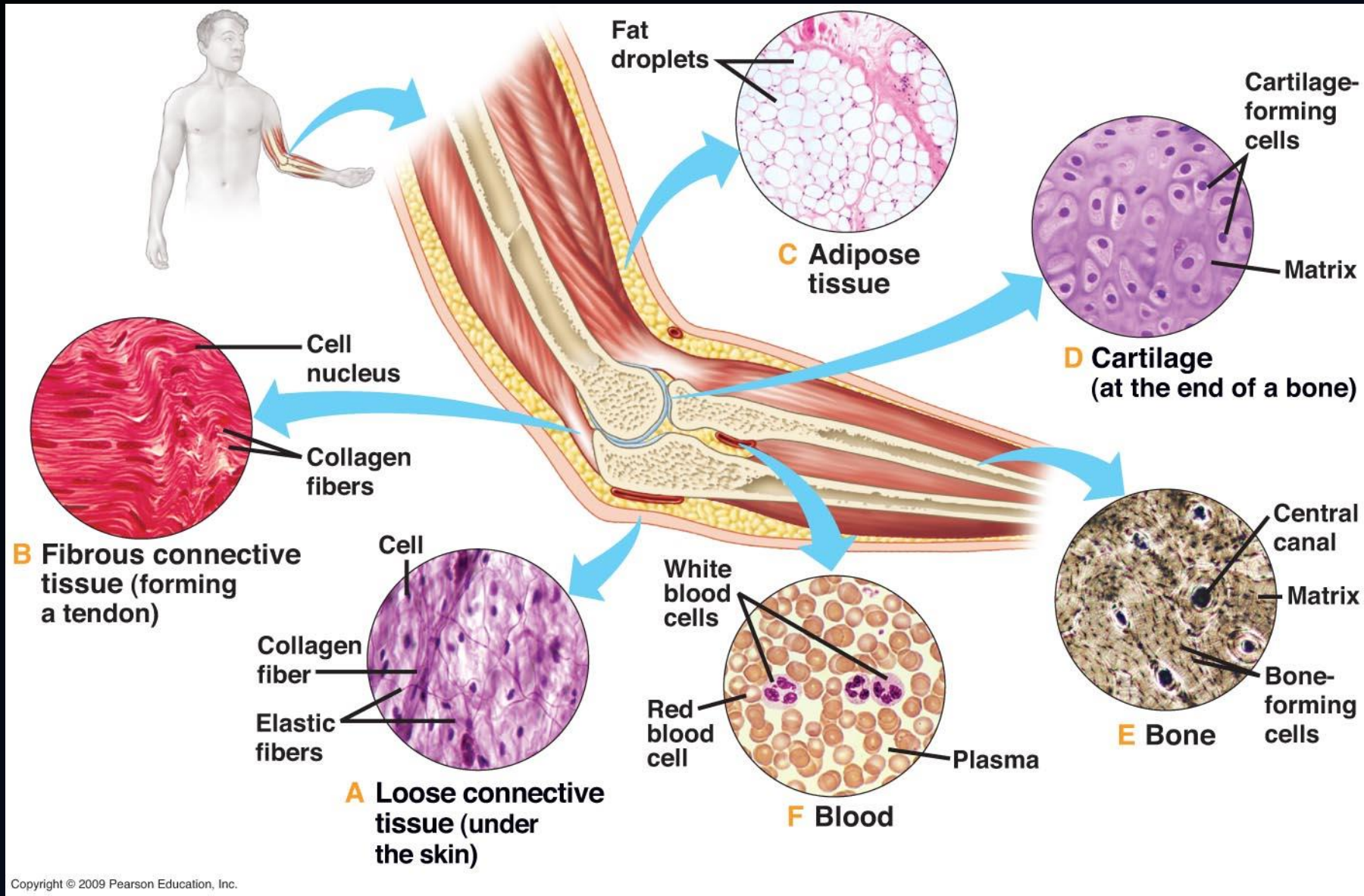


Tissues

- Made of cells that work together to perform a specific function.

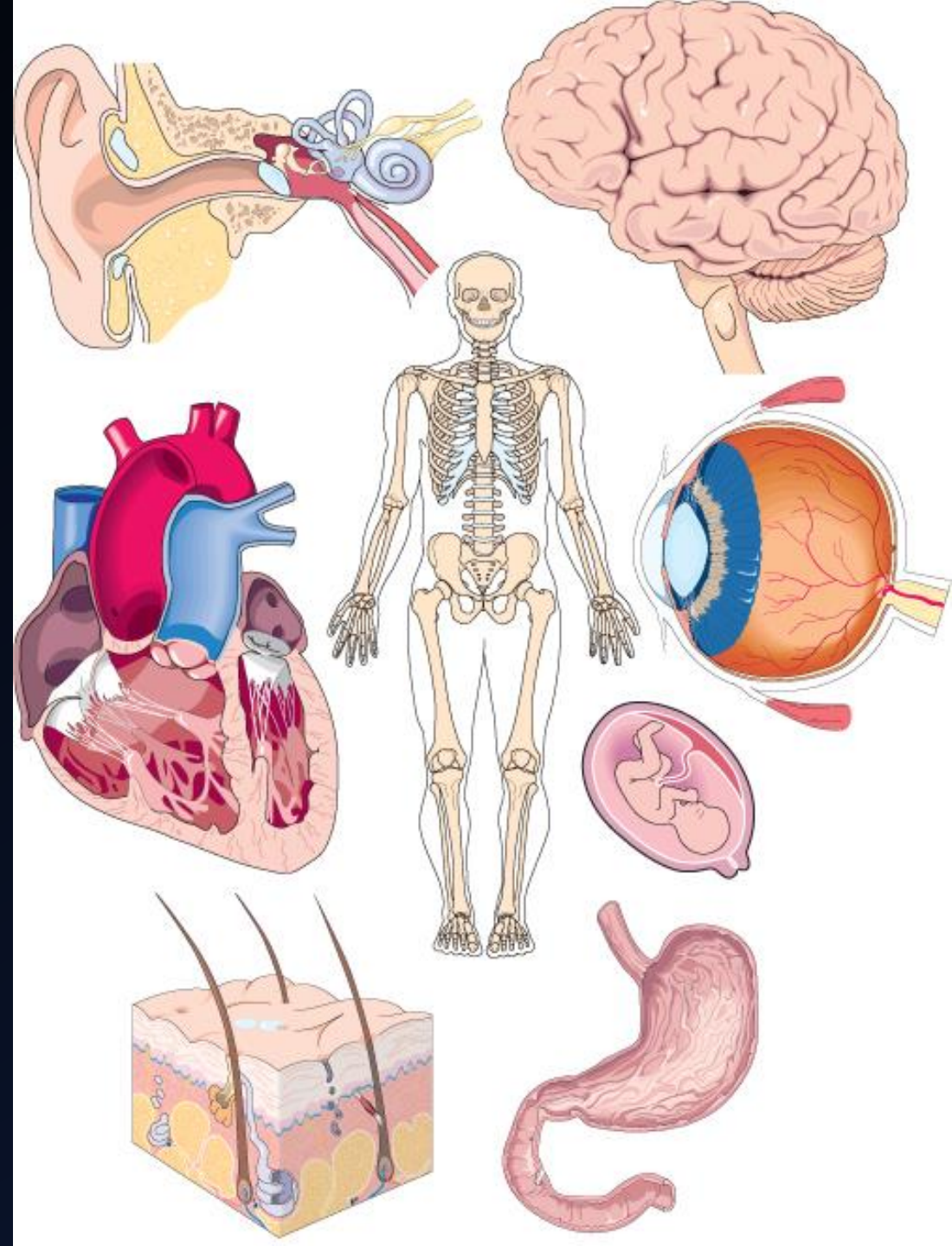


Types of Tissues



Organs

- Made of different types of tissues that work together to perform a specific function



Organ Systems

- Made of organs that work together to perform as specific function



Organism

- Has one of 3 types of body symmetry
- Needs energy to survive
- Reproduces and develops
- Moves to search out food, shelter, and a mate
- Maintains a specific body temperature



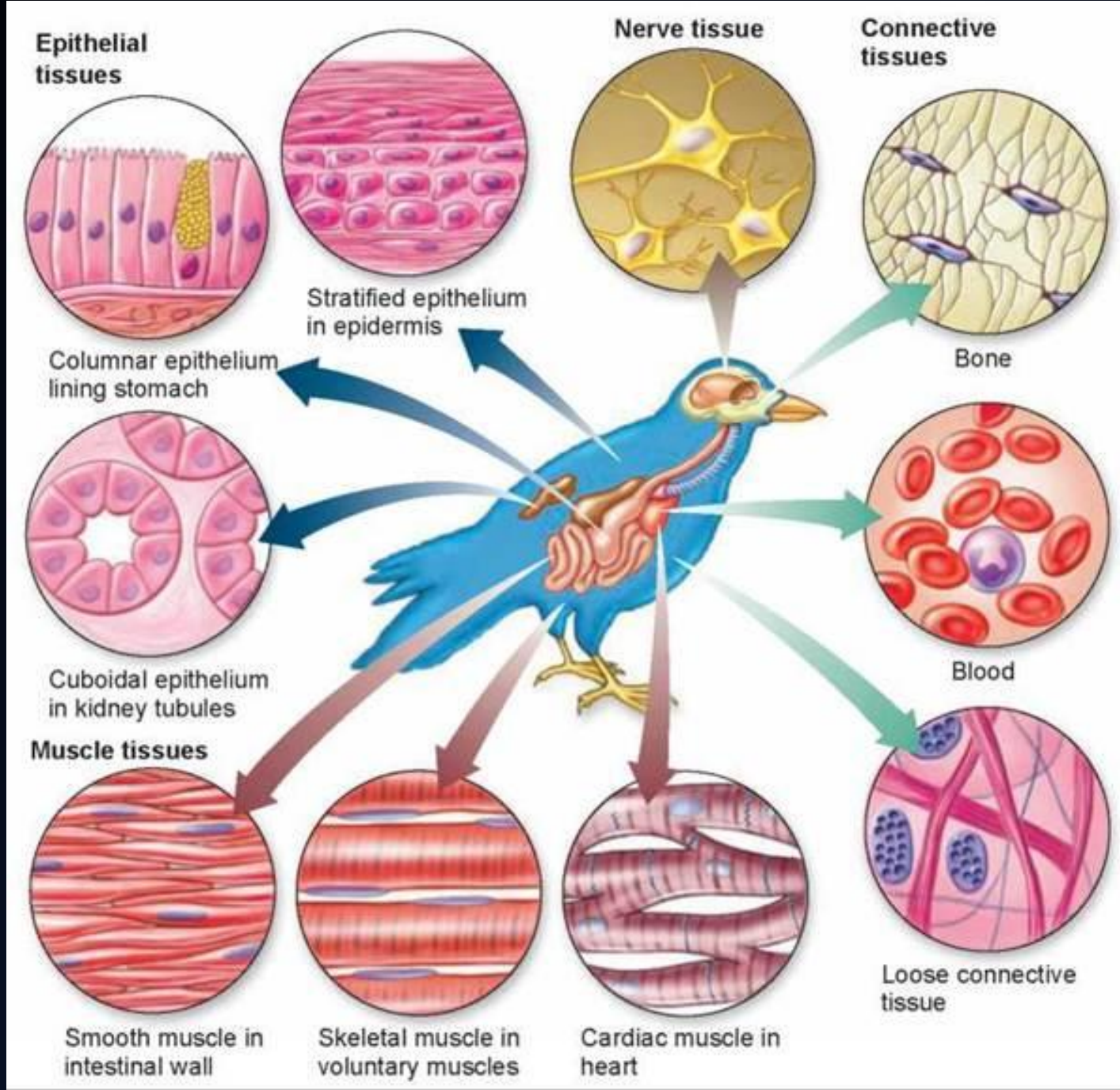
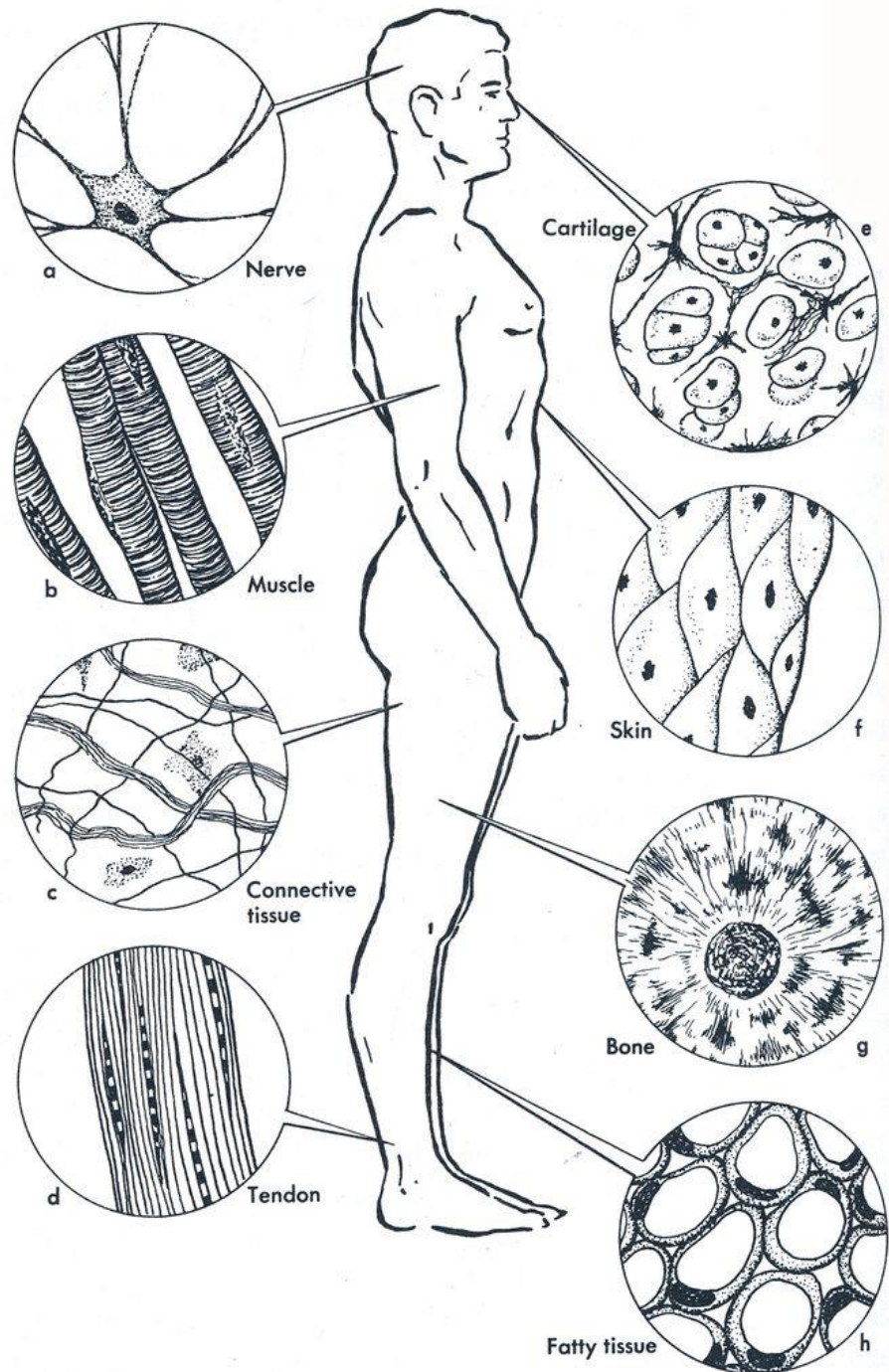
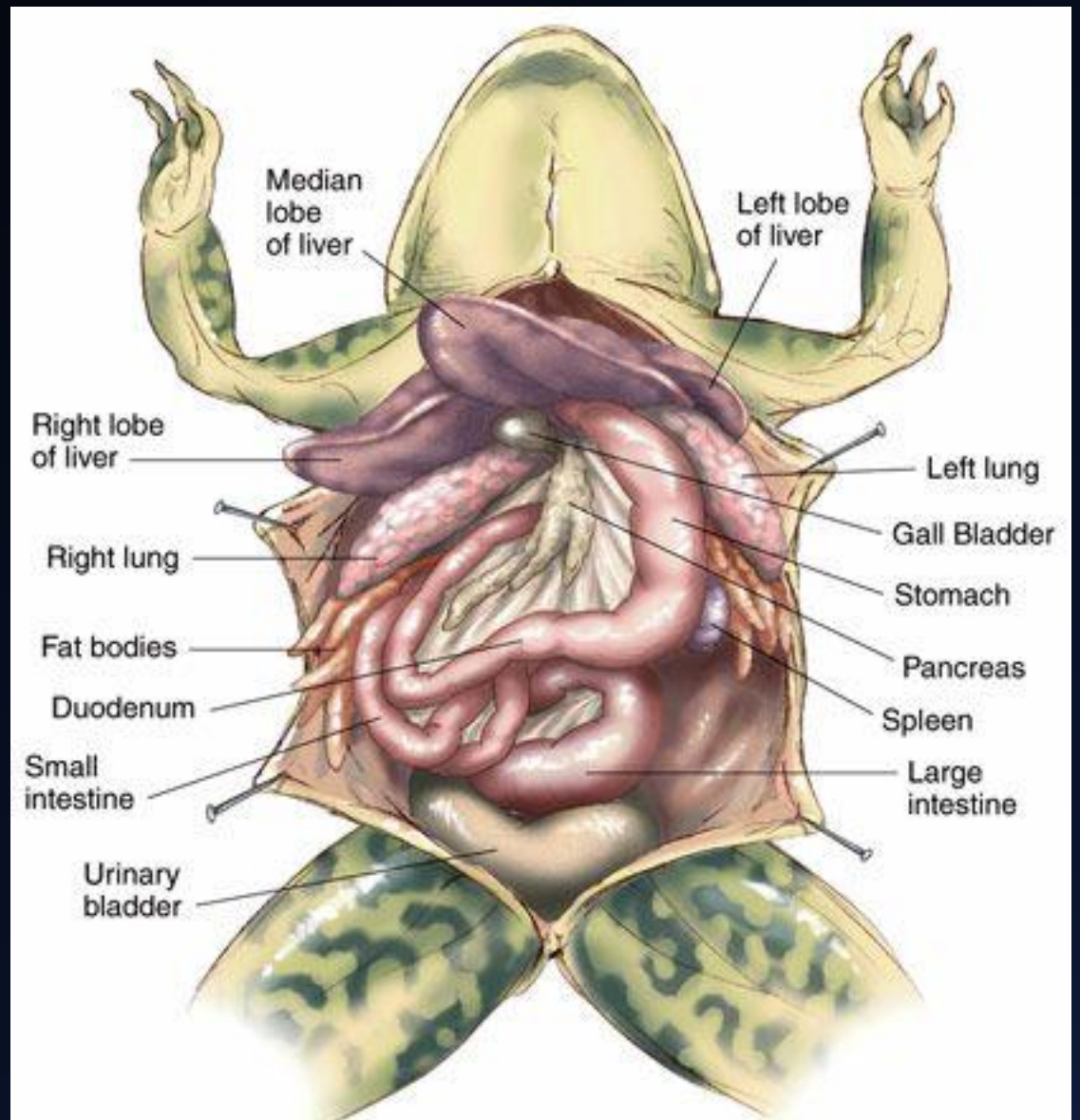
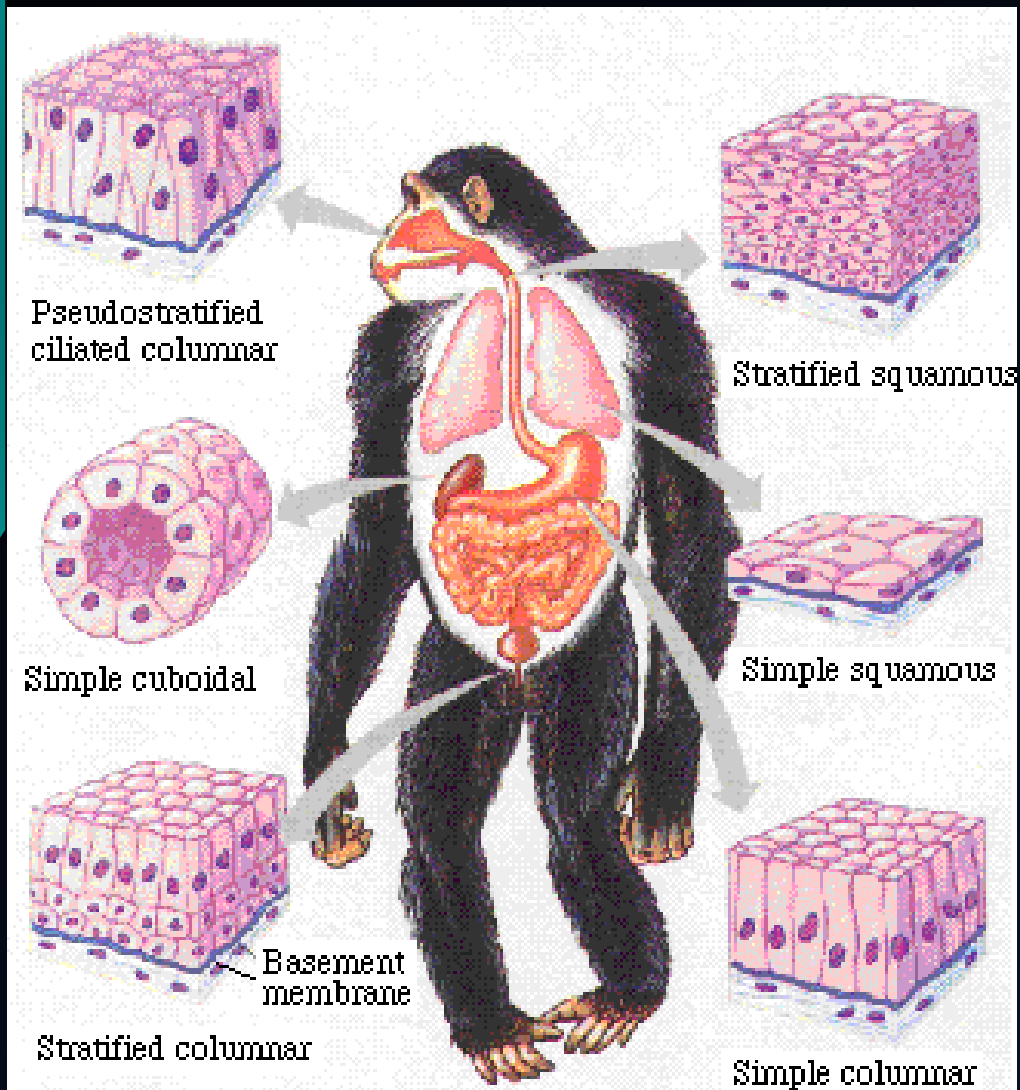


Figure 1.14: The structure and function of various tissues in the human body.



Organization of the Body

Cell

Epithelial Cell



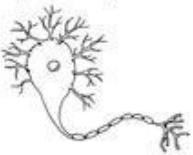
Osteocyte (Bone Cell)



Skeletal Muscle Cell



Neuron (Nerve Cell)



Neutrophil (White Blood Cell)



Cuboidal Epithelial Cell



Tissue



Skeletal Tissue



Skeletal Muscle Tissue



Nervous Tissue



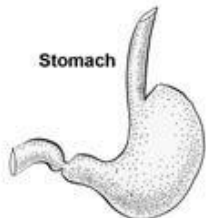
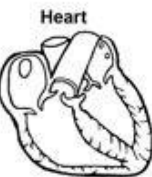
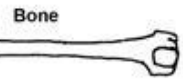
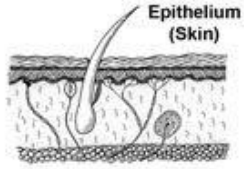
Blood (Connective Tissue)



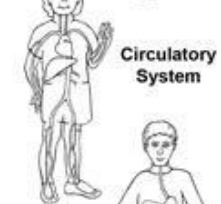
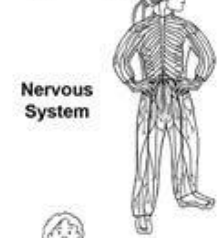
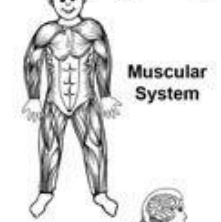
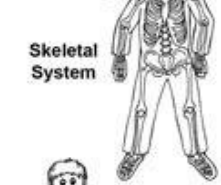
Cuboidal Epithelium (Stomach Lining Cell)



Organ



Body System



Genes (DNA)



The genetic code

Proteins



Some different protein shapes

Cells and Tissues



Cells lining the stomach



Cardiac muscle cells of the heart



Neuron cell within the brain



Cells lining the lungs

Organs



Liver and stomach



Heart



Brain



Lungs

Systems



Digestive system



Circulatory system



Nervous system



Respiratory system

Video

