ORGAN SYSTEMS
OF
THE BODY
INTEGUMENTARY SYSTEM

- Consists of: skin, hair, nails, sweat glands, sebaceous glands

- Function: 1. protect underlying tissues
  2. protect from water loss
  3. helps with temperature regulation

- Weighs approx 20 lbs (16% of body weight)
SKELETAL SYSTEM

- Consists of: bones, joints, ligaments, cartilage

- Function: 1. forms framework of the body
  2. protects underlying organs

- There are 206 bones in the body
MUSCULAR SYSTEM

• Consists of: muscles
• Function: 1. movement
  2. regulation of body temp.
  3. maintain posture
- There are three types of muscle: cardiac, skeletal and smooth (visceral)
- There are two types of muscle actions: voluntary and involuntary
NERVOUS SYSTEM

- Consists of: brain, spinal cord, nerves
- Function: communication & integration between body functions
- Recognition of sensory stimuli (something that causes a response)
ENDOCRINE SYSTEM

• Consists of: all the glands that secrete hormones (thyroid, adrenal, pituitary, etc)

• Function: regulates cellular activities and reproductive functions through the release of hormones
CARDIOVASCULAR SYSTEM

- Consists of: heart, blood vessels, arteries, veins, capillaries, blood

- Function: to transport nutrients, hormones and oxygen to the tissues of the body

- Pumps approx. 5 L of blood/minute
LYMPHATIC SYSTEM

• **Consists of:** lymph nodes and vessels, lymph organs (tonsils, spleen, thymus)

• **Function:** filters the lymph (transport fluid) to remove foreign particles as a protection against disease

• -plays a role in the body’s defense against disease
RESPIRATORY SYSTEM

• Consists of: nasal cavities, pharynx, larynx, trachea, bronchi, lungs

• Function: exchange of gases between the blood and the atmosphere (oxygen in, carbon dioxide out)
DIGESTIVE SYSTEM

• Consists of: two sets of organs
  – Primary organs: mouth, pharynx, esophagus, stomach, small intestine, large intestine
  – Secondary organs: teeth, tongue, salivary glands, liver, gall bladder, pancreas

• Function: breaks down food for nutrients
URINARY SYSTEM

• **Consists of:** kidneys, bladder

• **Function:** filtration, fluid balance, removal of wastes
REPRODUCTIVE SYSTEM

- **Consists of:** Males - testes, penis
  Females - ovaries, uterus

- **Function:** reproduction