

# Human Body Systems

## Chapter 4

Body System	Body System Description
Integumentary	External body covering; Protects deeper tissue; Synthesizes Vitamin D; Cutaneous receptors; Sweat & oil glands
Skeletal	Protects and supports body organ; Framework for muscle movement; Production of blood cells; mineral storage
Muscular	Manipulation of environment; Locomotion; Facial expressions; Maintain posture; Produces heat
Nervous	Control of body systems; Activates appropriate muscles and glands
Endocrine	Glands secrete hormones; Regulation of growth, reproduction and nutrient usage
Cardiovascular	Transportation of blood carrying O <sub>2</sub> , CO <sub>2</sub> , nutrients and waste
Lymphatic / Immunity	Picks up fluid leaked from blood vessels; Disposes of debris; Houses white blood cells involved in immunity
Respiratory	Keeps blood supplied with O <sub>2</sub> ; Removes CO <sub>2</sub>
Digestive	Breaks down food to absorbable nutrients; Eliminates indigestible food stuffs
Urinary	Eliminates nitrogenous wastes; Regulates H <sub>2</sub> O, electrolytes and acid / base balance
Reproductive	Production of offspring; production of sperm, male hormones, ova, and female hormones; mammary glands which produce milk