



ORGAN SYSTEM STRUCTURES

Skeletal Muscles
Smooth Muscles
Cardiac Muscles



ORGAN SYSTEM STRUCTURES

Bones
Cartilages
Joints



ORGAN SYSTEM FUNCTION

- Allows for movement, locomotion and facial expression
- Maintains posture
- Generates heat



MUSCULAR SYSTEM



ORGAN SYSTEM FUNCTION

- Protects and supports body organs
- Provides framework for muscle attachment
- Forms blood cells
- Stores minerals



SKELETAL SYSTEM



ORGAN SYSTEM STRUCTURES

Brain
Spinal Cord
Nerves



ORGAN SYSTEM STRUCTURES

Heart
Blood vessels
Blood



ORGAN SYSTEM FUNCTION

- Fast-acting control system
- Responds to internal and external stimuli



NERVOUS SYSTEM



ORGAN SYSTEM FUNCTION

- Distributes blood carrying oxygen, carbon dioxide, nutrients, and waste



**CARDIOVASCULAR
SYSTEM**



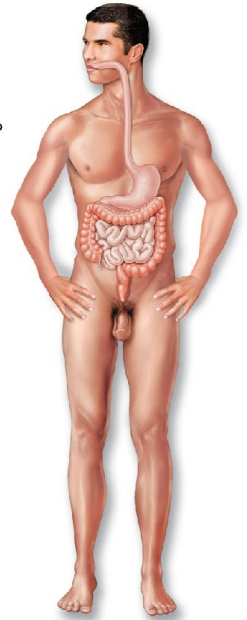
ORGAN SYSTEM STRUCTURES

Nasal Cavity
Pharynx
Larynx
Trachea
Lung



ORGAN SYSTEM STRUCTURES

Oral Cavity
Esophagus
Liver
Stomach
Small Intestine
Large Intestine
Rectum
Anus



ORGAN SYSTEM FUNCTION

- Exchanges gases
between air and
blood



RESPIRATORY SYSTEM



ORGAN SYSTEM FUNCTION

- Breaks down food
- Absorbs food
components into
the blood
- Eliminates
indigestible
foodstuffs



DIGESTIVE SYSTEM



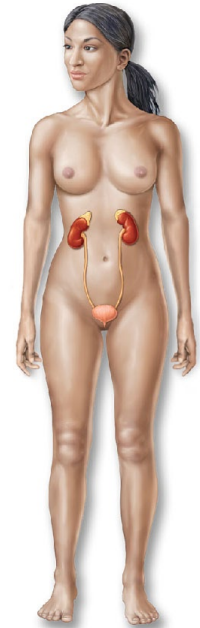
ORGAN SYSTEM STRUCTURES

Skin
Hair
Fingernails



ORGAN SYSTEM STRUCTURES

Kidney
Ureter
Urinary Bladder
Urethra



ORGAN SYSTEM FUNCTION

- Protects deeper tissues
- Synthesizes vitamin D
- Houses receptors for pain, pressure, and temperature
- Houses sweat and sebaceous glands



INTEGUMENTARY SYSTEM



ORGAN SYSTEM FUNCTION

- Eliminates nitrogenous wastes from the body
- Regulates water, electrolyte and acid-base balance of the blood



URINARY SYSTEM



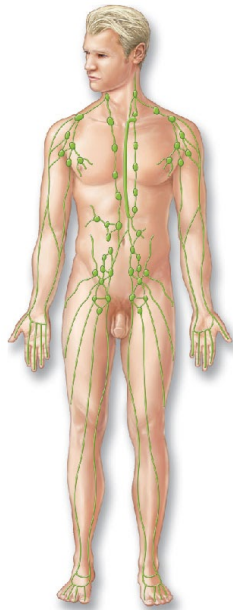
ORGAN SYSTEM STRUCTURES

Pineal Gland
 Pituitary Gland
 Thyroid Gland
 Adrenal Glands
 Thymus
 Pancreas
 Testes
 Ovaries



ORGAN SYSTEM STRUCTURES

Red Bone Marrow
 Lymphatic Vessels
 Thymus
 Thoracic Duct
 Lymph Nodes



ORGAN SYSTEM FUNCTION

- Secretes hormones to regulate growth, reproduction and metabolism



ENDOCRINE SYSTEM



ORGAN SYSTEM FUNCTION

- Picks up fluid leaked from blood vessels and returns it to blood
 - Houses white blood cells



LYMPHATIC/ IMMUNE SYSTEM



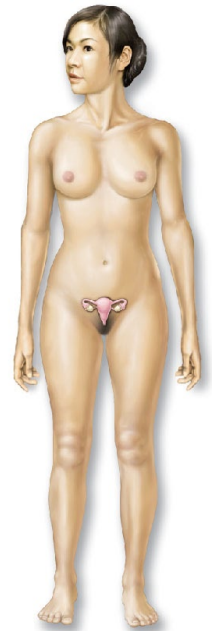
ORGAN SYSTEM STRUCTURES

Prostate Gland
Penis
Testes
Scrotum
Ductus deferens



ORGAN SYSTEM STRUCTURES

Mammary Glands
Ovaries
Uterine tubes
Uterus
Vagina



ORGAN SYSTEM FUNCTION

- Produce sperm
- Produce testosterone
- Delivery of sperm to female reproductive tract



MALE REPRODUCTIVE SYSTEM



ORGAN SYSTEM FUNCTION

- Produce eggs
- Site of fertilization and development of fetus
- Produce estrogen



FEMALE REPRODUCTIVE SYSTEM