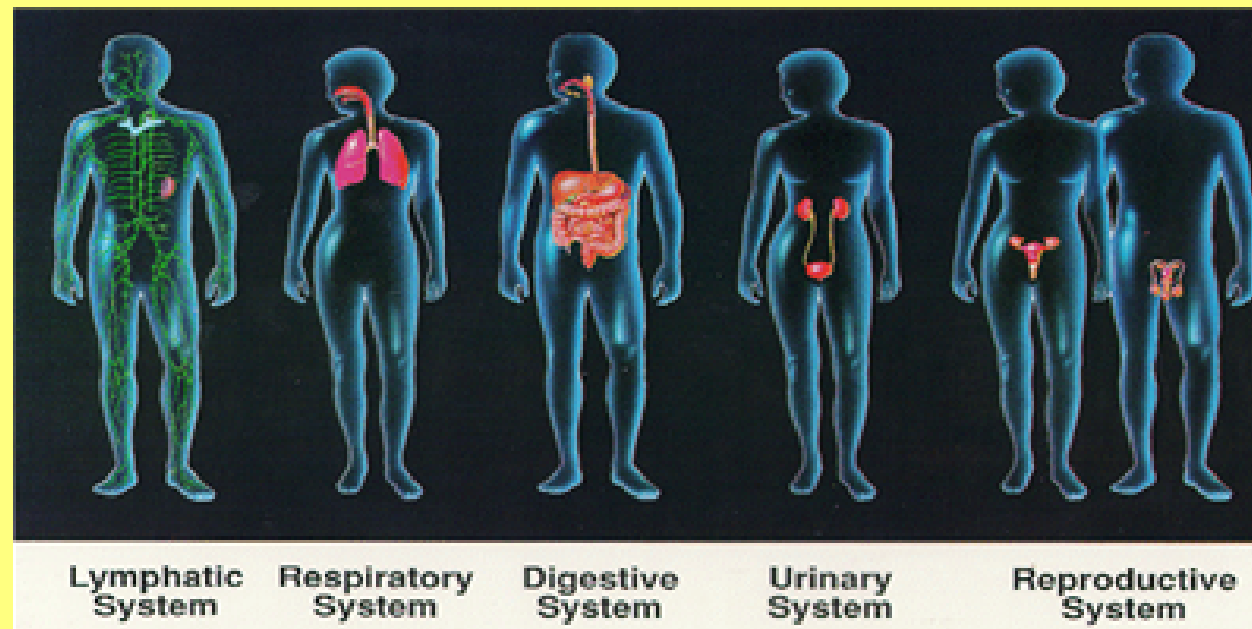
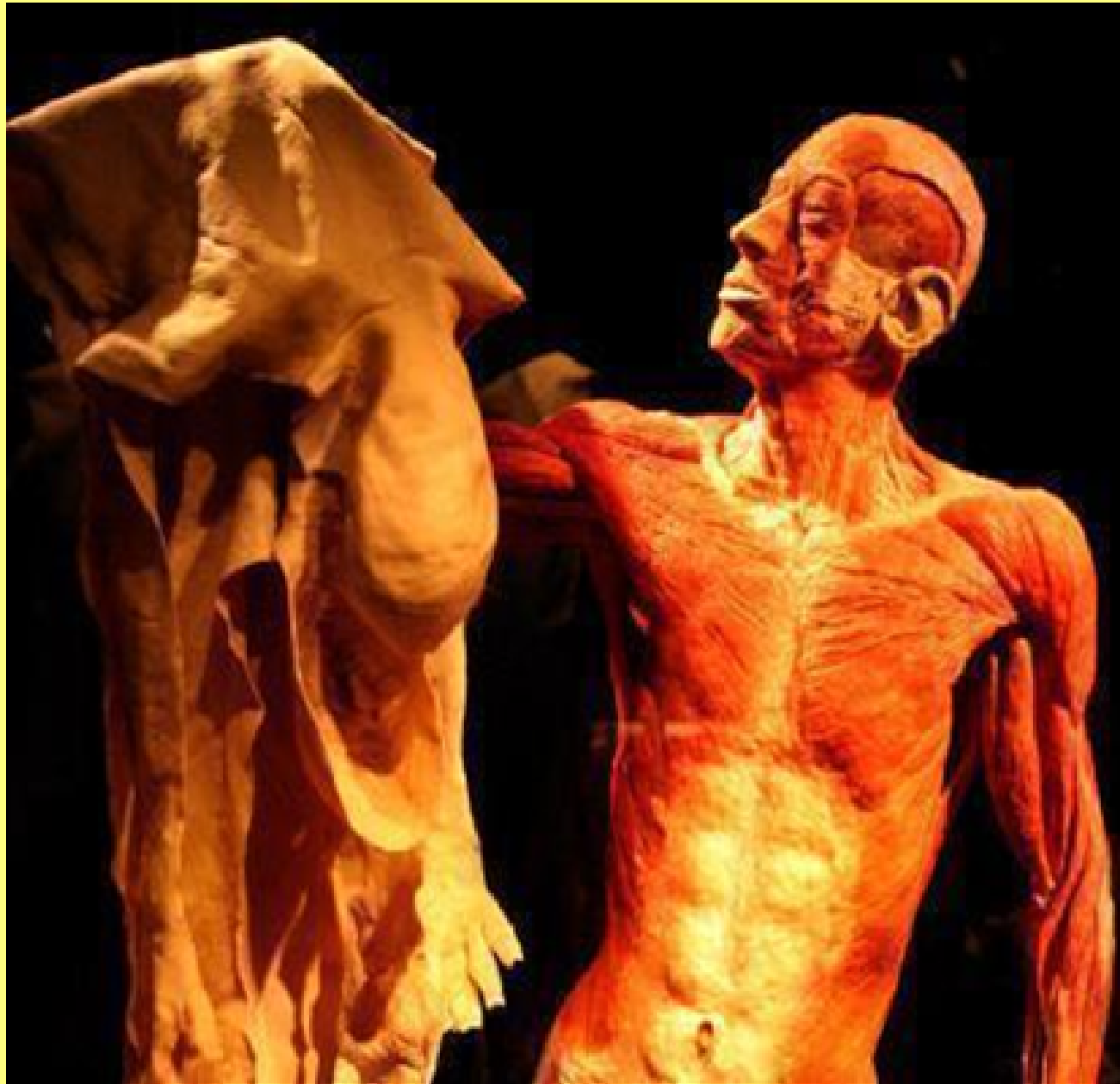


1.4 Organ Systems



Support, Movement, and Protection

Integumentary System



Integumentary System

Includes:

Skin

Hair

Nail

Sweat Glands

Sebaceous Glands

Function:

Protects underlying tissues, prevents infection and water loss, helps regulate body temperature, contains sense organs, synthesizes certain chemicals.

Skeletal System



Skeletal System

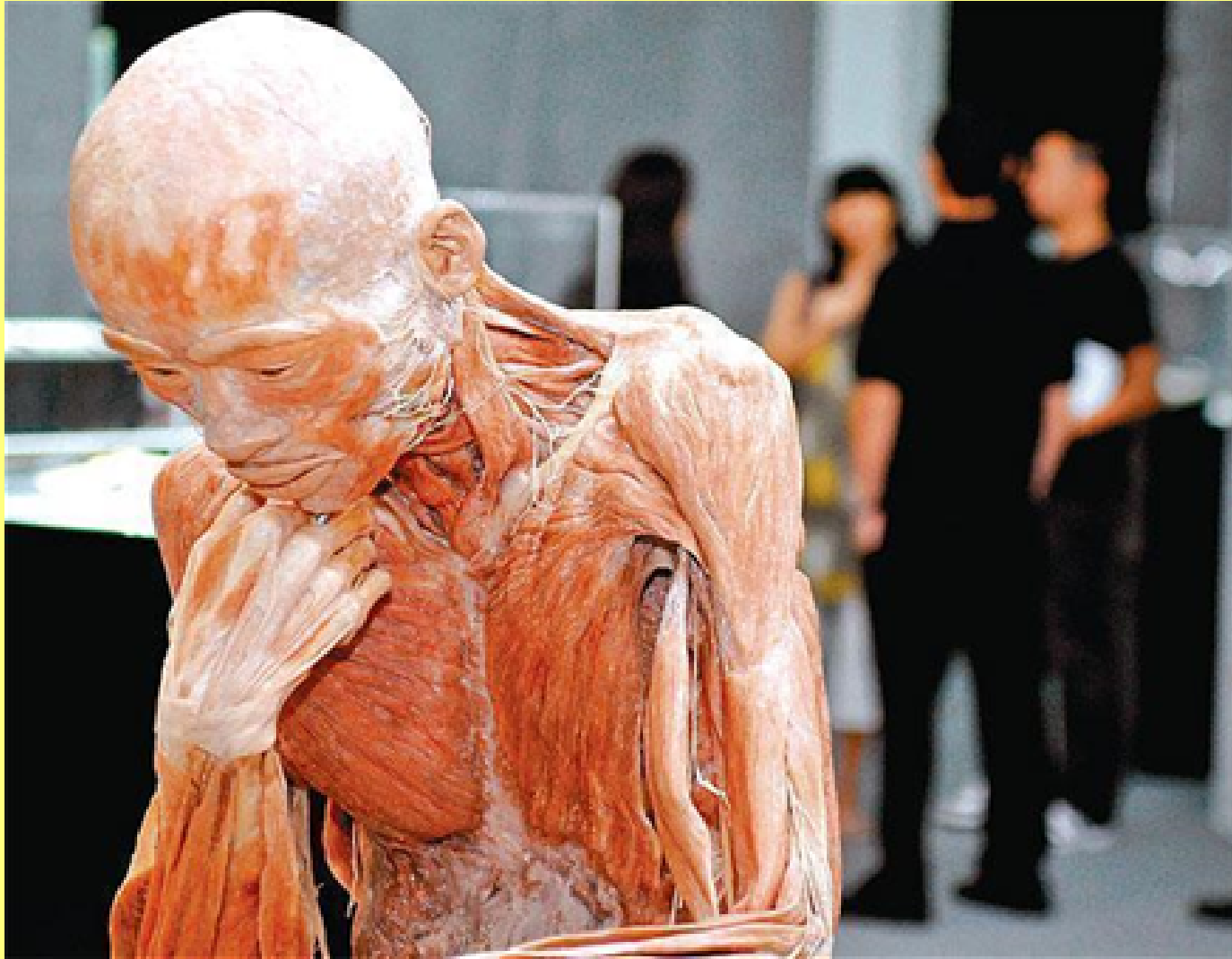
Consists of:

Bones
Cartilage
Ligaments

Functions:

Protects Body
Parts
Produces Blood
Cells
Store Calcium
Store Phosphorus

Muscular System



Muscular System

Contains:

Skeletal Muscles
Cardiac Muscles
Smooth Muscles

Functions:

Ability to Move
Maintain Posture
Produces Bodyheat
Involuntary Muscle
Movement

Integration and Coordination

Nervous System



Nervous System

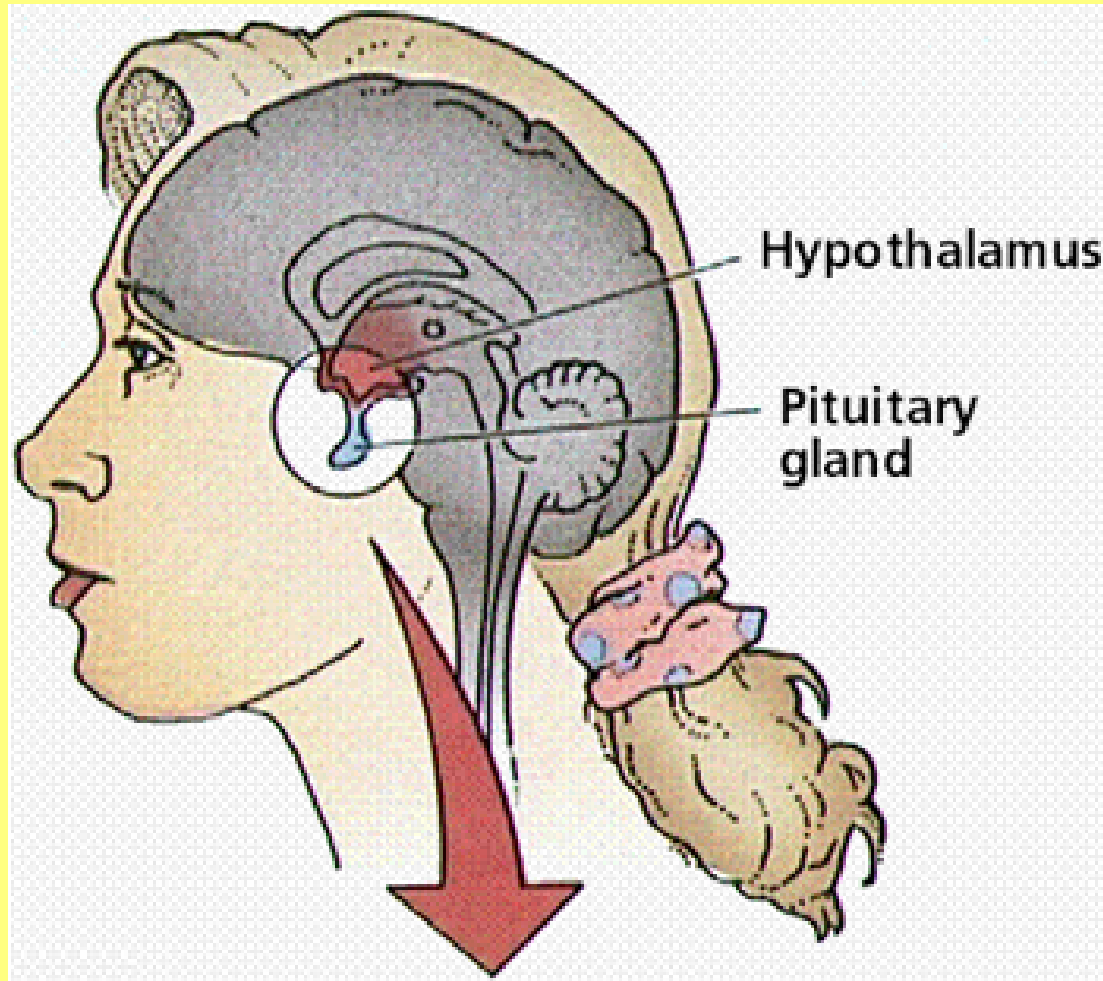
Contains:

Brain
Spinal Cord
Nerves

Functions:

Conduct nerve impulses from the brain and spinal cord to the muscles glands and organs

Endocrine System



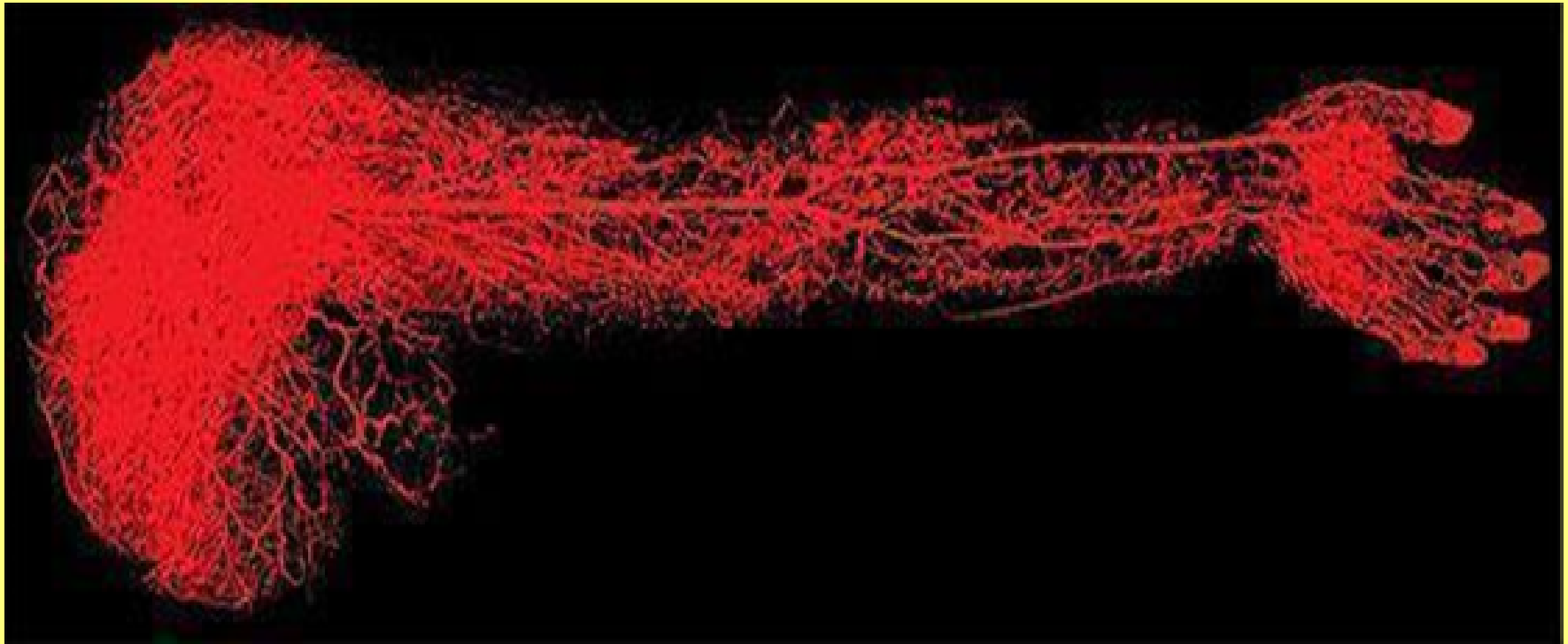
Endocrine System

Contains:
Hormonal Glands

Functions:
Secrete chemicals
that serve as
messengers
between body parts
maintain constant
internal environment

Maintenance of the Body

Cardiovascular System



Cardiovascular System

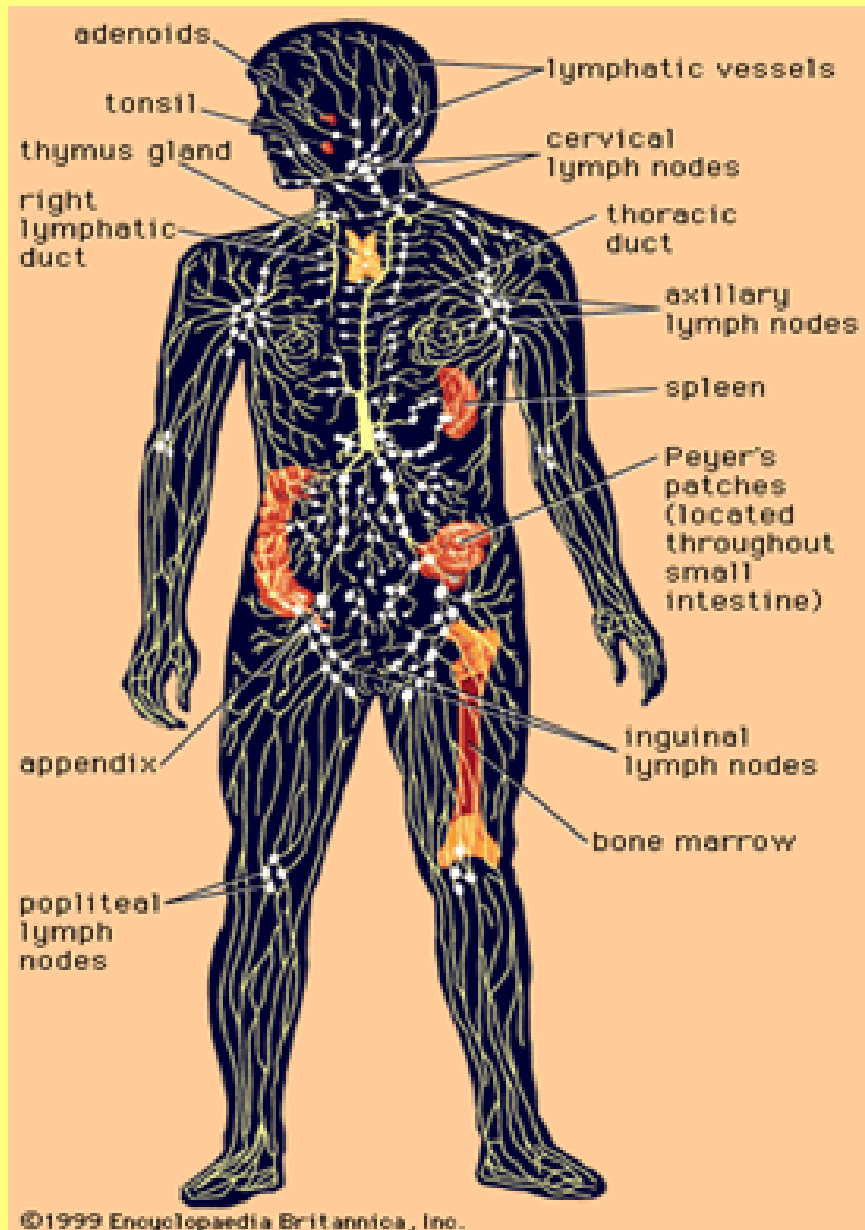
Contains:

Heart
Blood Vessels

Functions:

Transports nutrients and oxygen to the cells and removes waste molecules to be excreted from the body

Lymphatic System

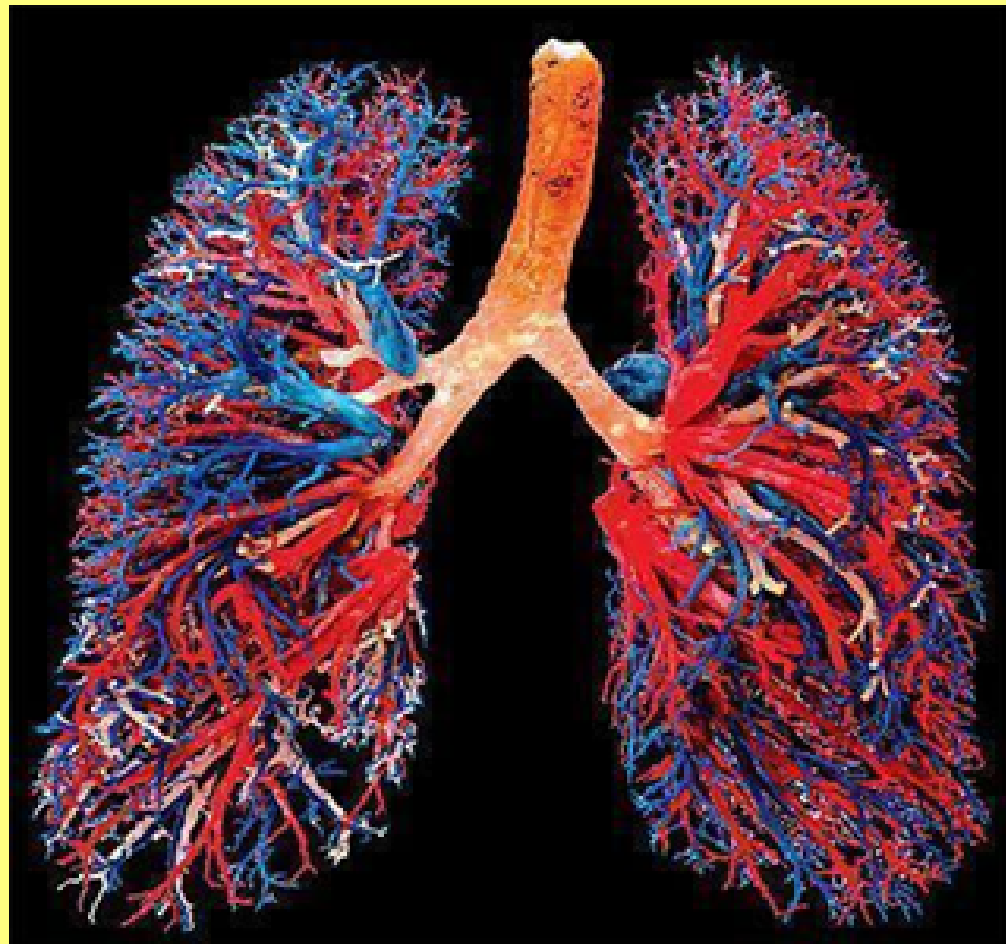


Lymphatic System

Contains:
Lymph Nodes

Functions:
Protects the body
from disease

Respiratory System



Respiratory System

Contains:

Lungs
tubes that take air
to and from the
lungs

Functions:

Bring oxygen into
the lungs and take
carbon dioxide out
of the lungs

Digestive System



Digestive System

Contains:

mouth

esophagus

stomach

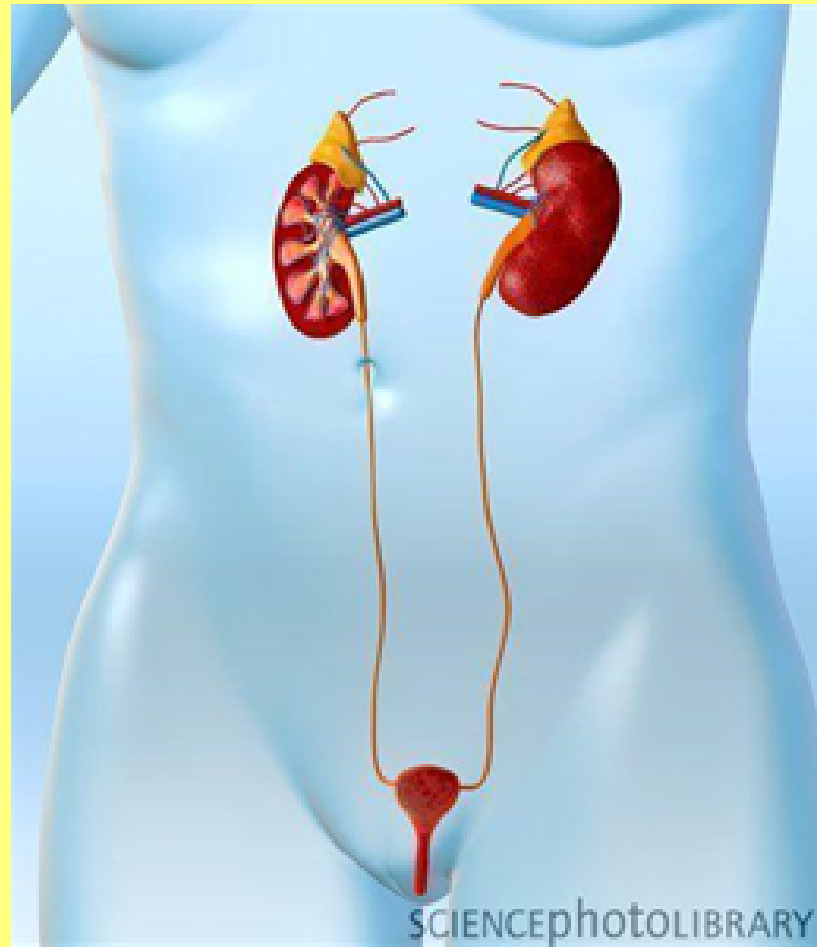
intestines

accessory organs

Functions:

Receives food and
digests it into
nutrient molecules

Urinary System



Urinary System

Contains:

Kidneys

Bladder

Reproduction and Development

Reproductive System



Reproductive System

Contains:

- testes
- various ducts and glands
- ovaries
- uterine tubes
- vagina
- external genitalia
- sex cells

Functions: Reproduction