

Integumentary system

male

Function

- * Protects the body from the outside world and keeps moisture inside.
- * Helps regulate body temperature.
- * Contains sense receptors for temperature, pain, and touch.

Parts

- ☐ Skin
- ☐ Sweat glands
- ☐ Hair
- ☐ Fingernails



Integumentary system

female

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Muscular system

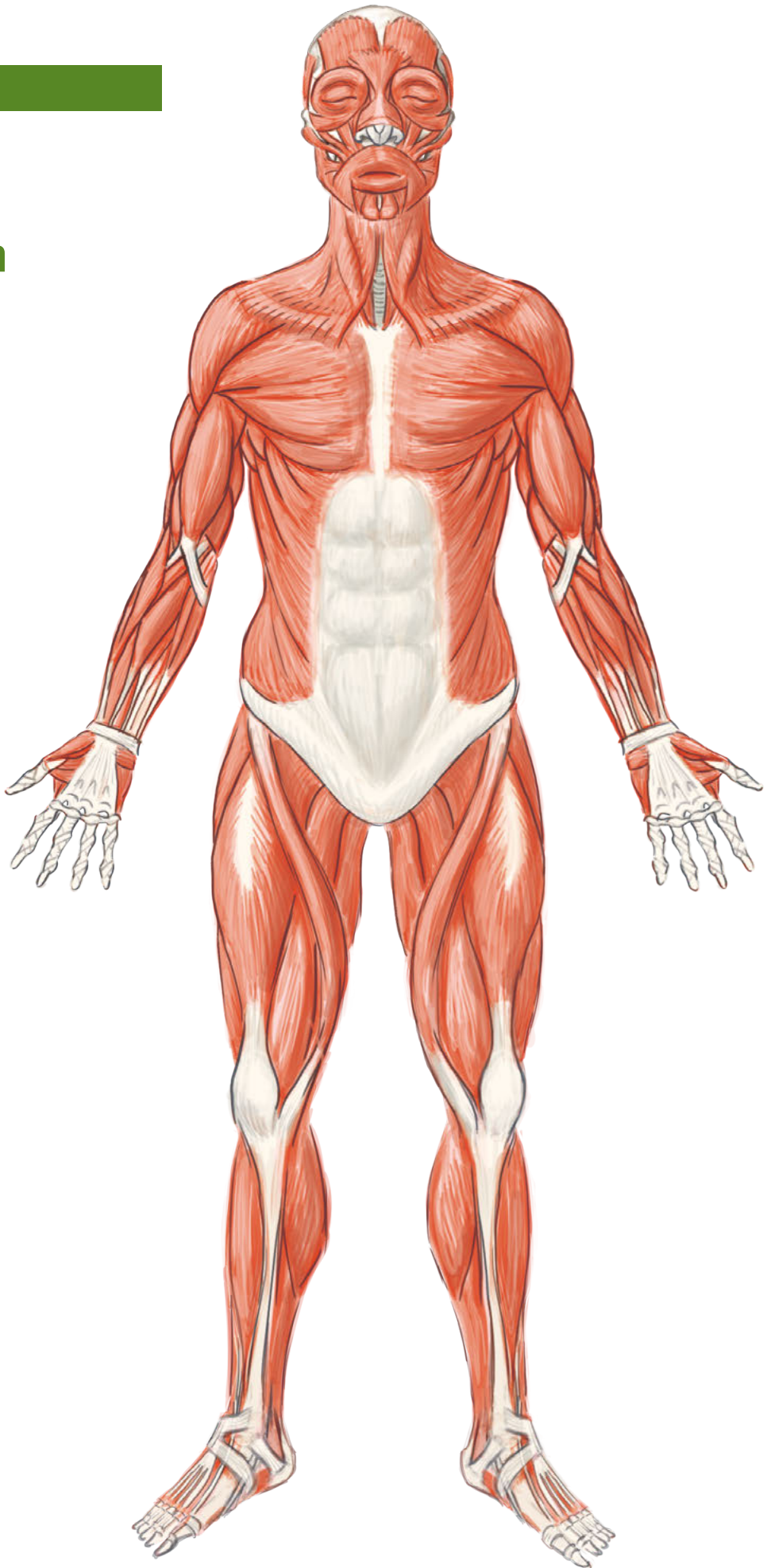
Function

- * Moves the body.
- * Moves materials within the body.
- * Generates heat.

Parts

- ☐ Skeletal muscles, which are attached to bones and move the body around.

Note: Smooth muscle tissue and cardiac muscle tissue are included in other systems.



Skeletal system

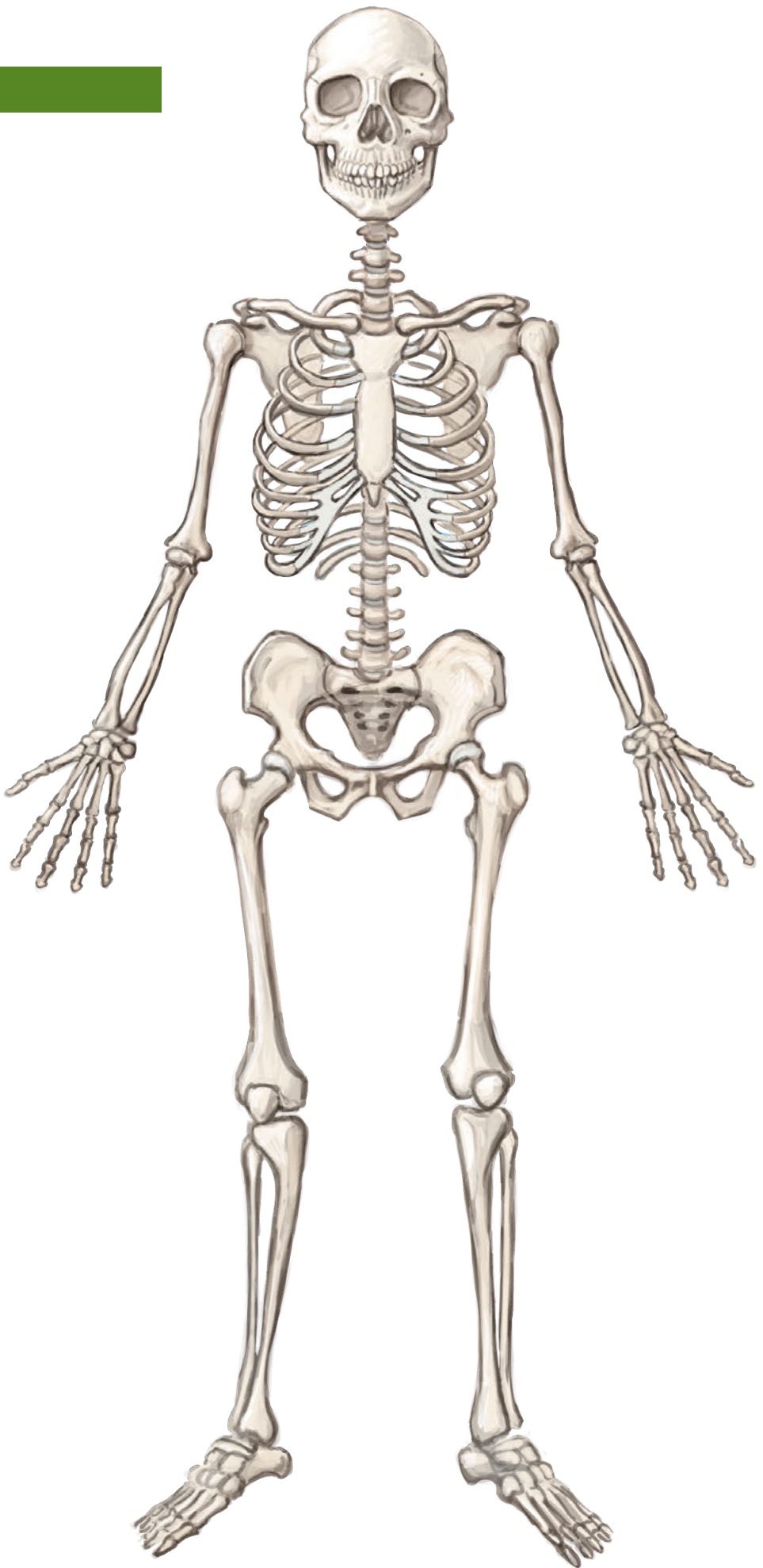
Function

- * Provides shape, support, and protection to the body, while allowing it to move.
- * Blood cells are also produced in the marrow of bones.

Parts

- ☐ Bones
- ☐ Cartilage
- ☐ Joints (ligaments and tendons)

Fibroblasts are the main cells in dense connective tissue that makes up ligaments and tendons. Fibroblasts secrete collagen and elastic fibers.



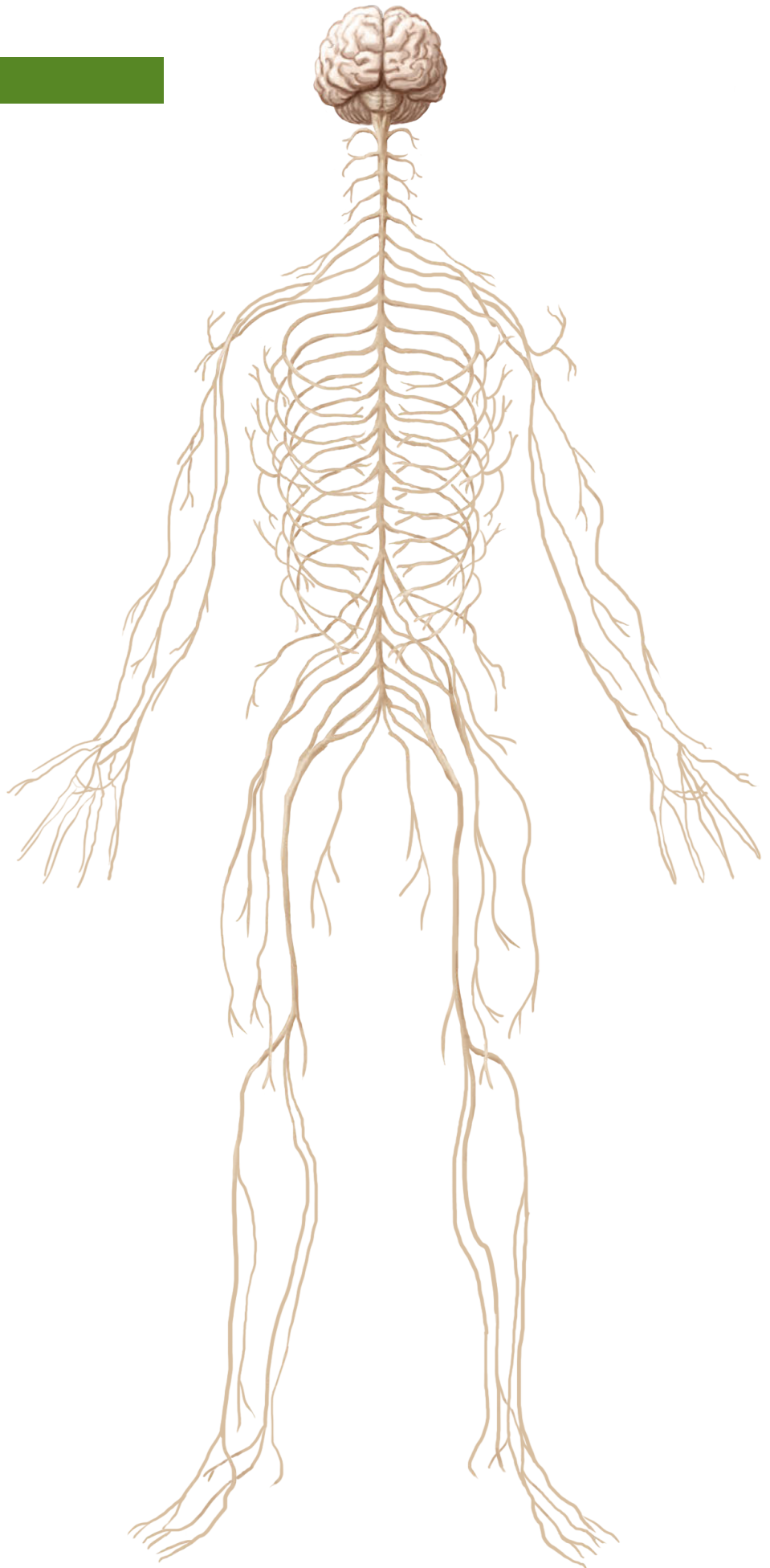
Nervous system

Function

- * Controls and coordinates body functions.
- * Receives signals.
- * Processes information.
- * Transmits responses to organs.

Parts

- ☐ Brain
- ☐ Spinal cord
- ☐ Nerves



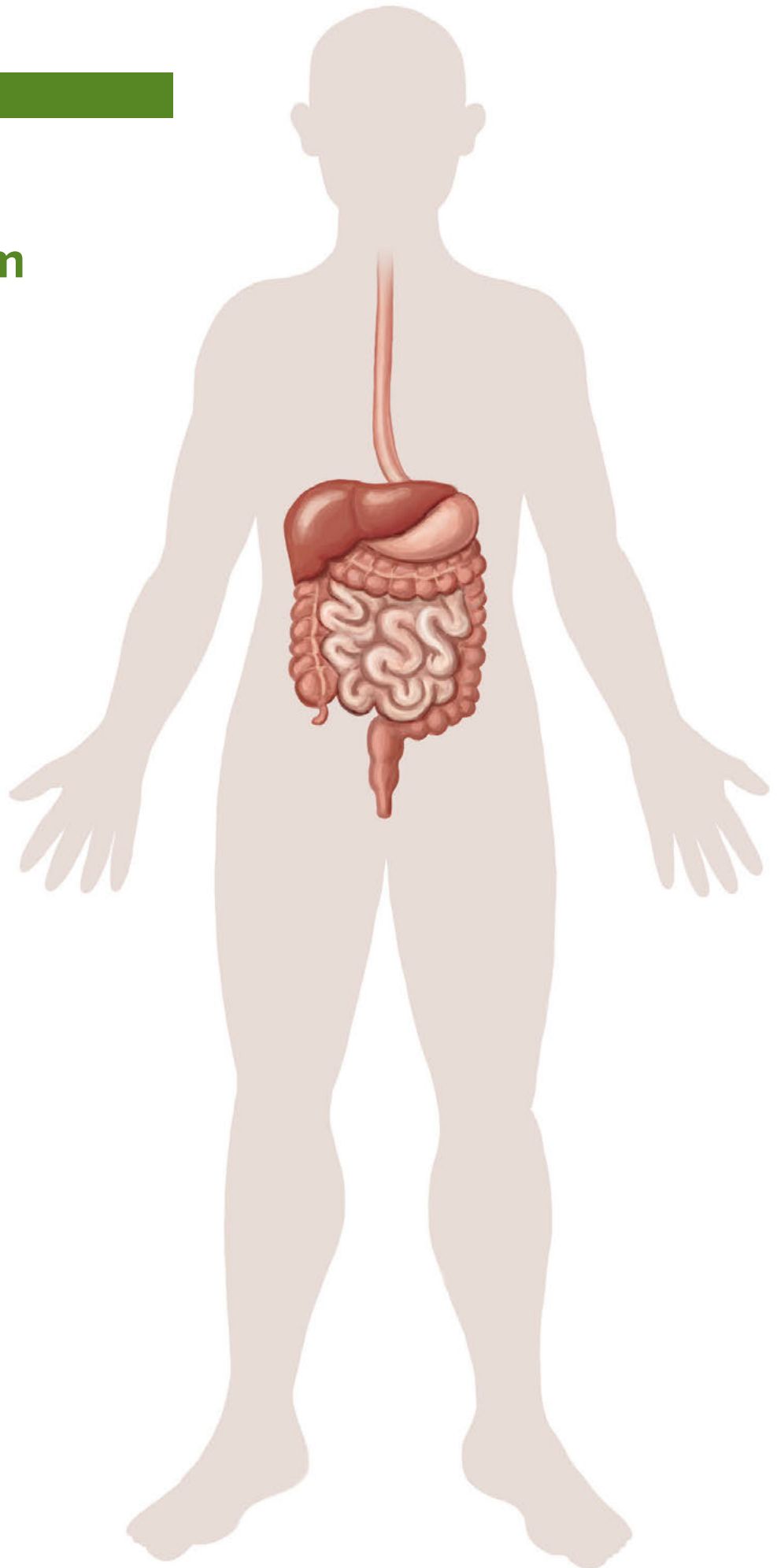
Digestive system

Function

- * Breaks down food.
- * Absorbs food's useful substances nutrients—to be used by cells throughout the body for energy and building materials.
- * Gets rid of food waste.

Parts

- ☐ Mouth
- ☐ Esophagus
- ☐ Stomach
- ☐ Liver
- ☐ Small intestine
- ☐ Large intestine
- ☐ Rectum
- ☐ Anus



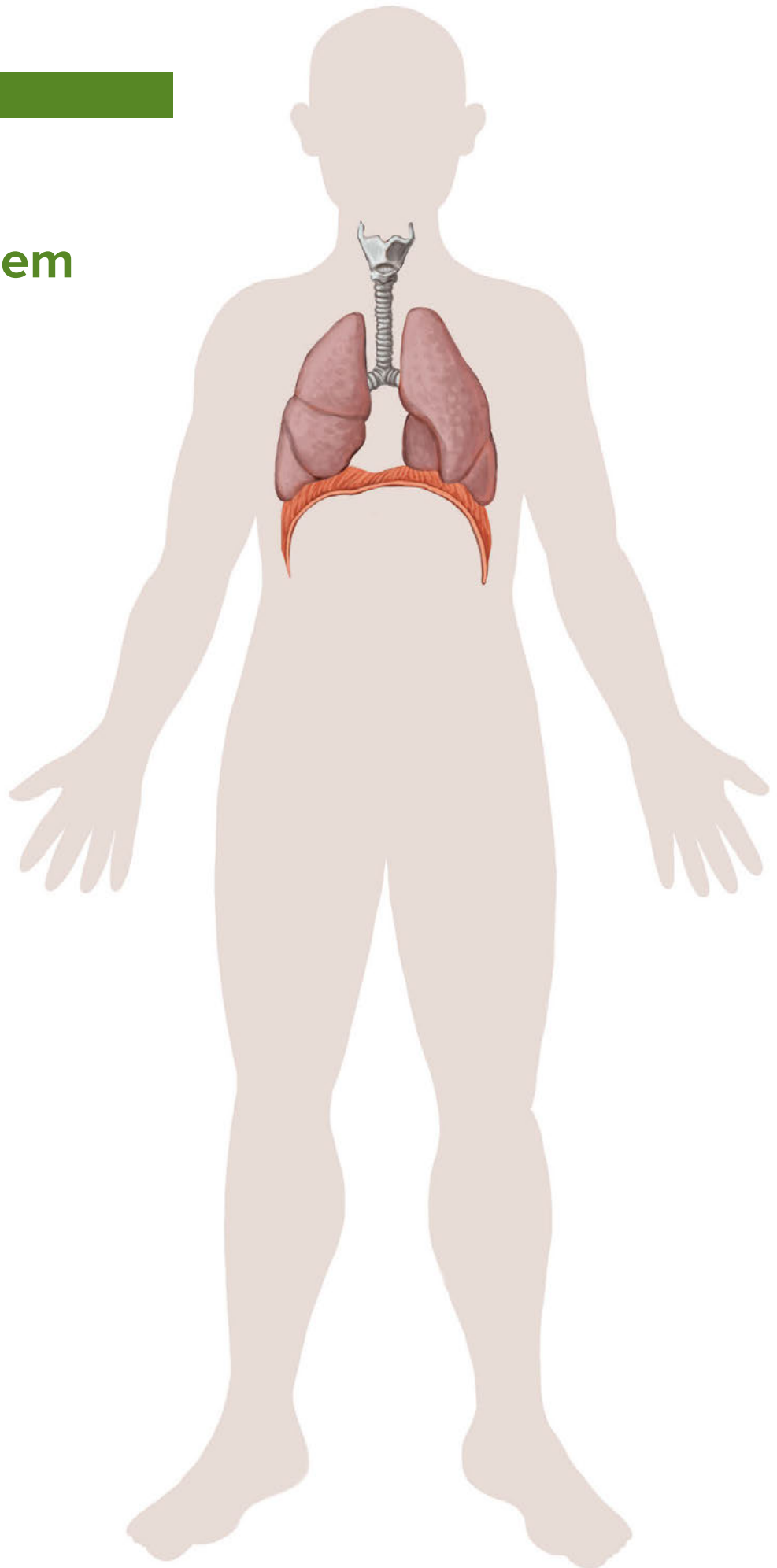
Respiratory system

Function

- * Inhales oxygen and allows it to be dissolved into the bloodstream.
- * Removes carbon dioxide from the bloodstream and exhales it.

Parts

- ☐ Nose
- ☐ Larynx
- ☐ Trachea
- ☐ Bronchi
- ☐ Lungs
- ☐ Diaphragm (the muscle that works the lungs)



Cardiovascular system

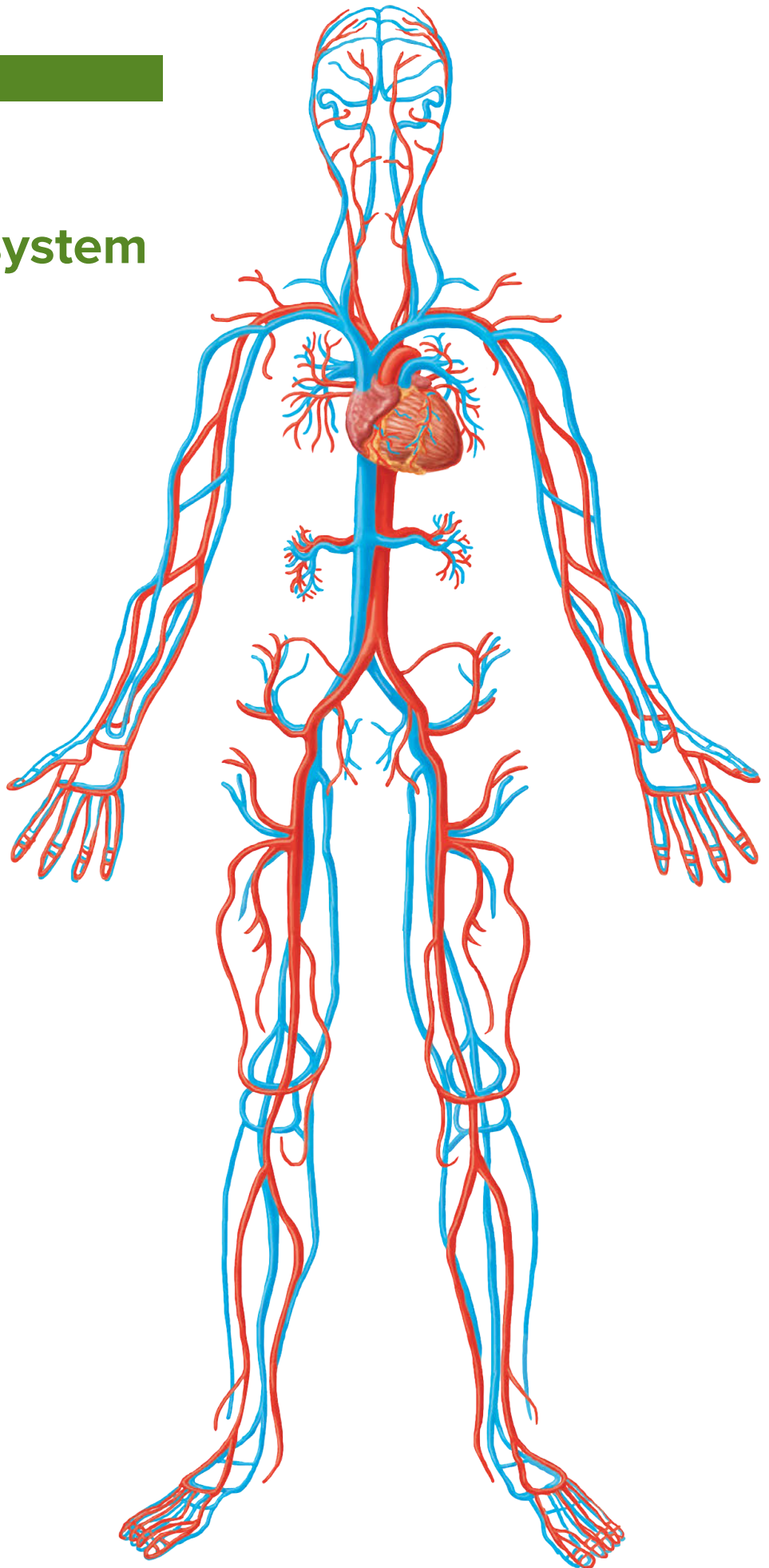
Function

- * Delivers oxygen and nutrients to cells throughout the body.
- * Carries waste materials away from all the cells.
- * The main distribution system for all sorts of chemical signals, and for white blood cells that travel around the body fighting infectious diseases.
- * Helps regulate body temperature by controlling how much blood flows near the body's surface at different times.

Parts

- ☐ Heart
- ☐ Blood vessels
- ☐ Blood

Weird fact: blood is considered a connective tissue, even though most tissues are solid.



Lymphatic system

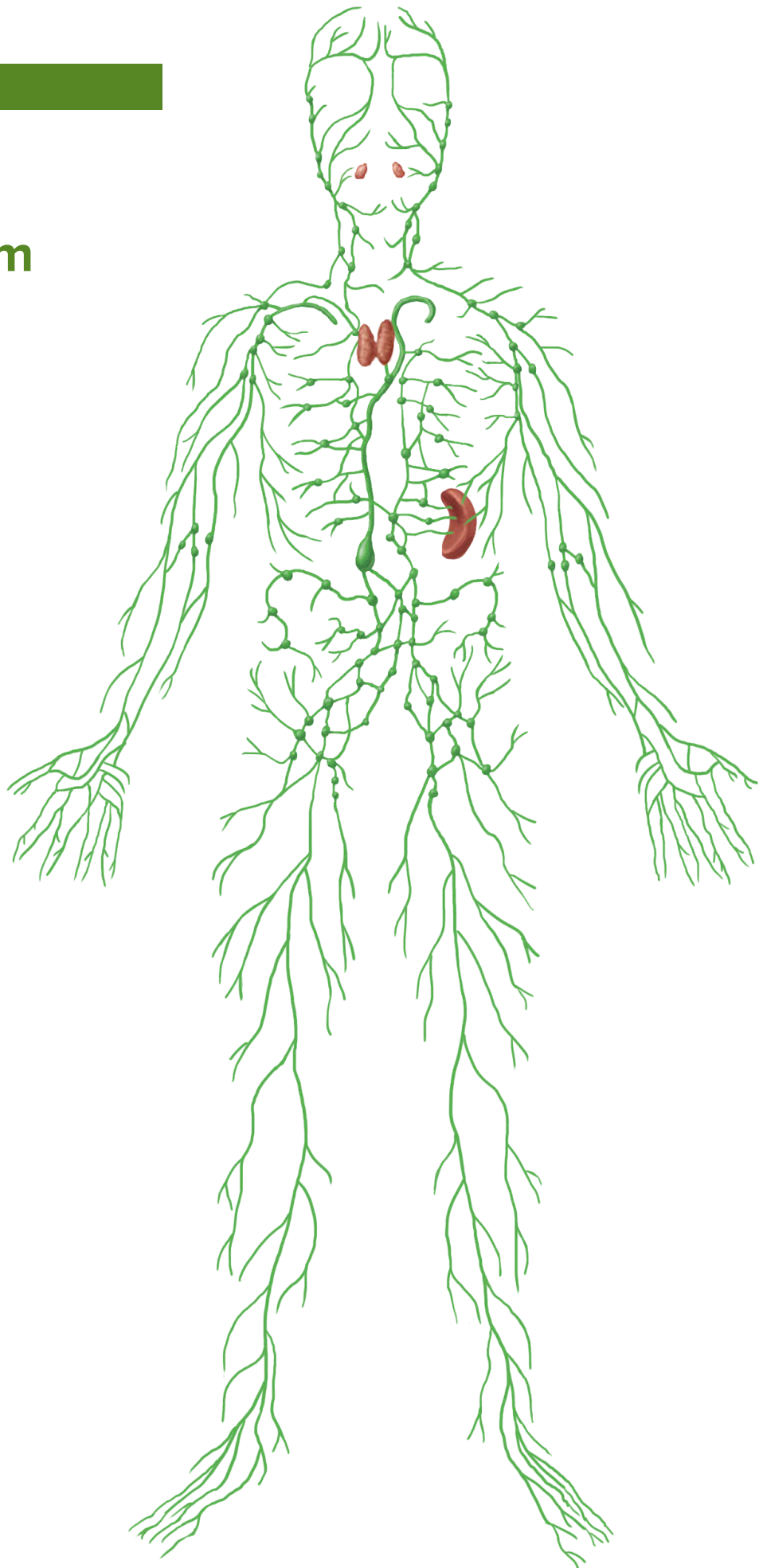
Function

- * Takes fluid that has leaked out of blood vessels and returns it to the cardiovascular system.
- * As this lymph fluid filters through the system, white blood cells also check it for signs of infection, and manage the body's immune response to disease.

Note: Sometimes scientists identify the immune system as a separate system.

Parts

- ☐ Lymph vessels
- ☐ Lymph nodes
- ☐ Tonsils
- ☐ Thymus
- ☐ Spleen



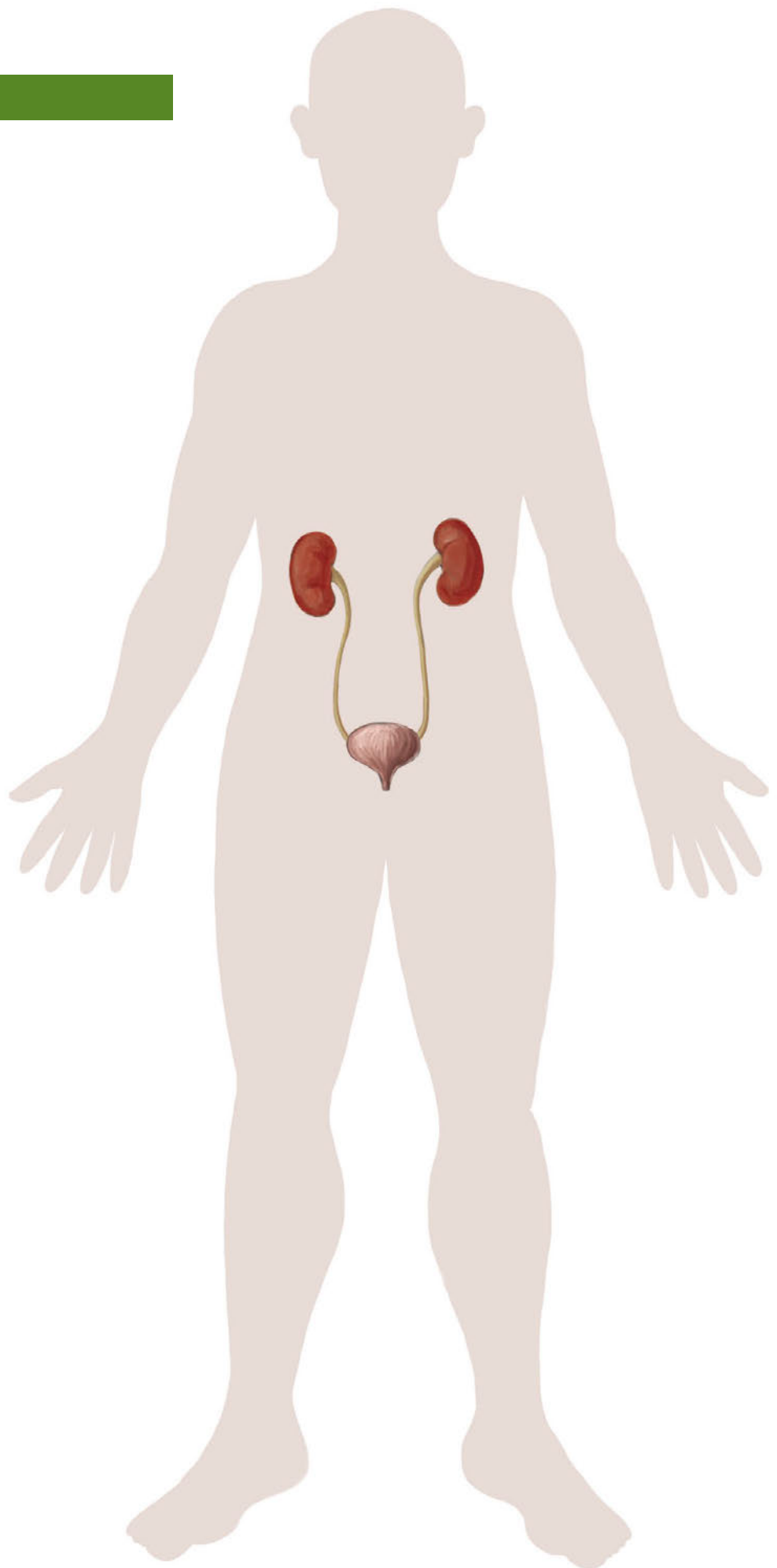
Urinary system

Function

- * Removes excess fluid and many dissolved waste products from the body.

Parts

- ☐ Kidneys
- ☐ Ureters
- ☐ Bladder
- ☐ Urethra



Endocrine system

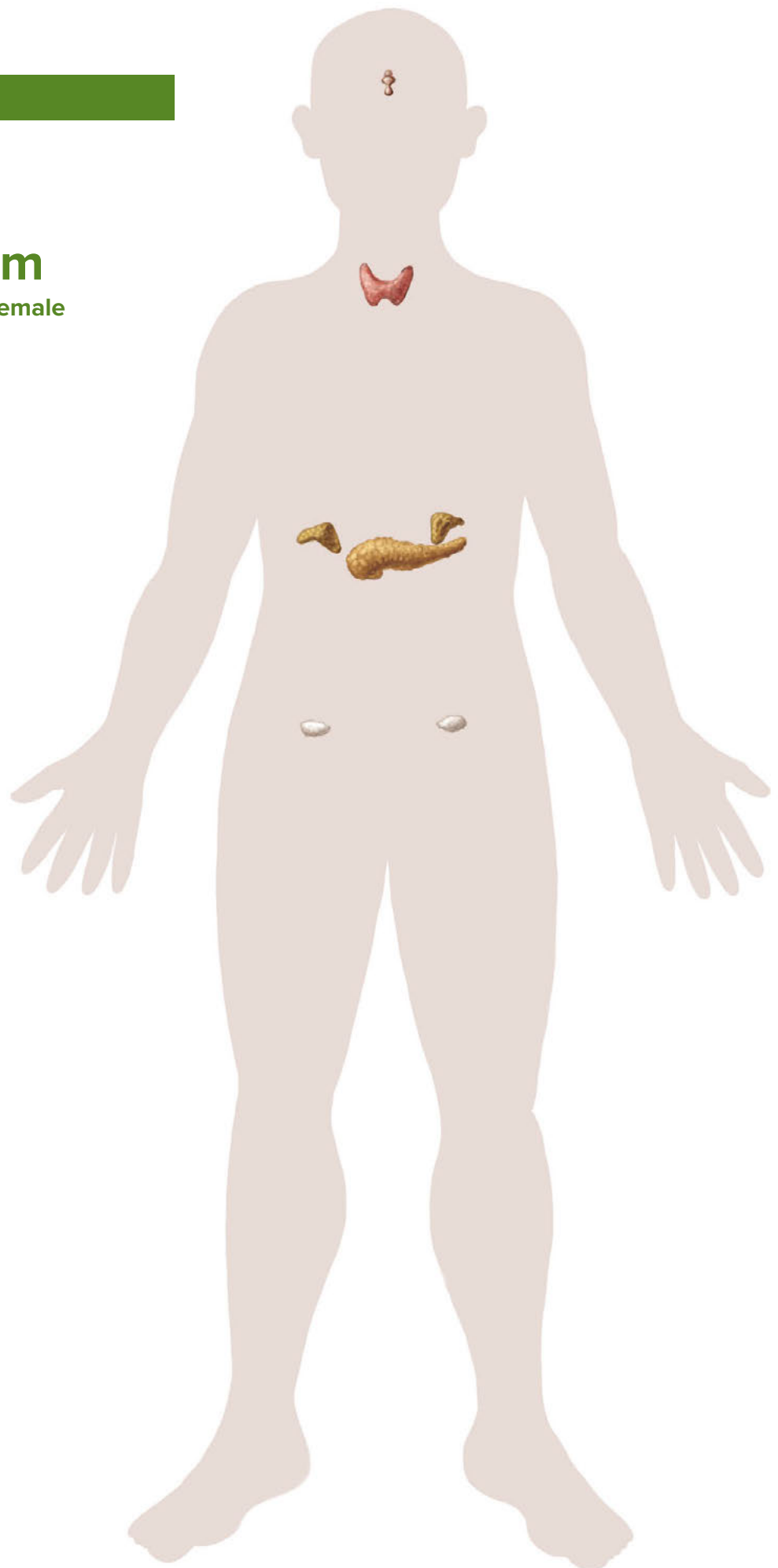
female

Function

- * Regulates and controls growth, development, and various body functions by releasing chemical signals called hormones into the bloodstream.

Parts

- ☐ Various glands throughout the body, including
 - ☐ Pituitary glands
 - ☐ Adrenal glands
 - ☐ Thyroid glands
- ☐ Ovaries



Endocrine system

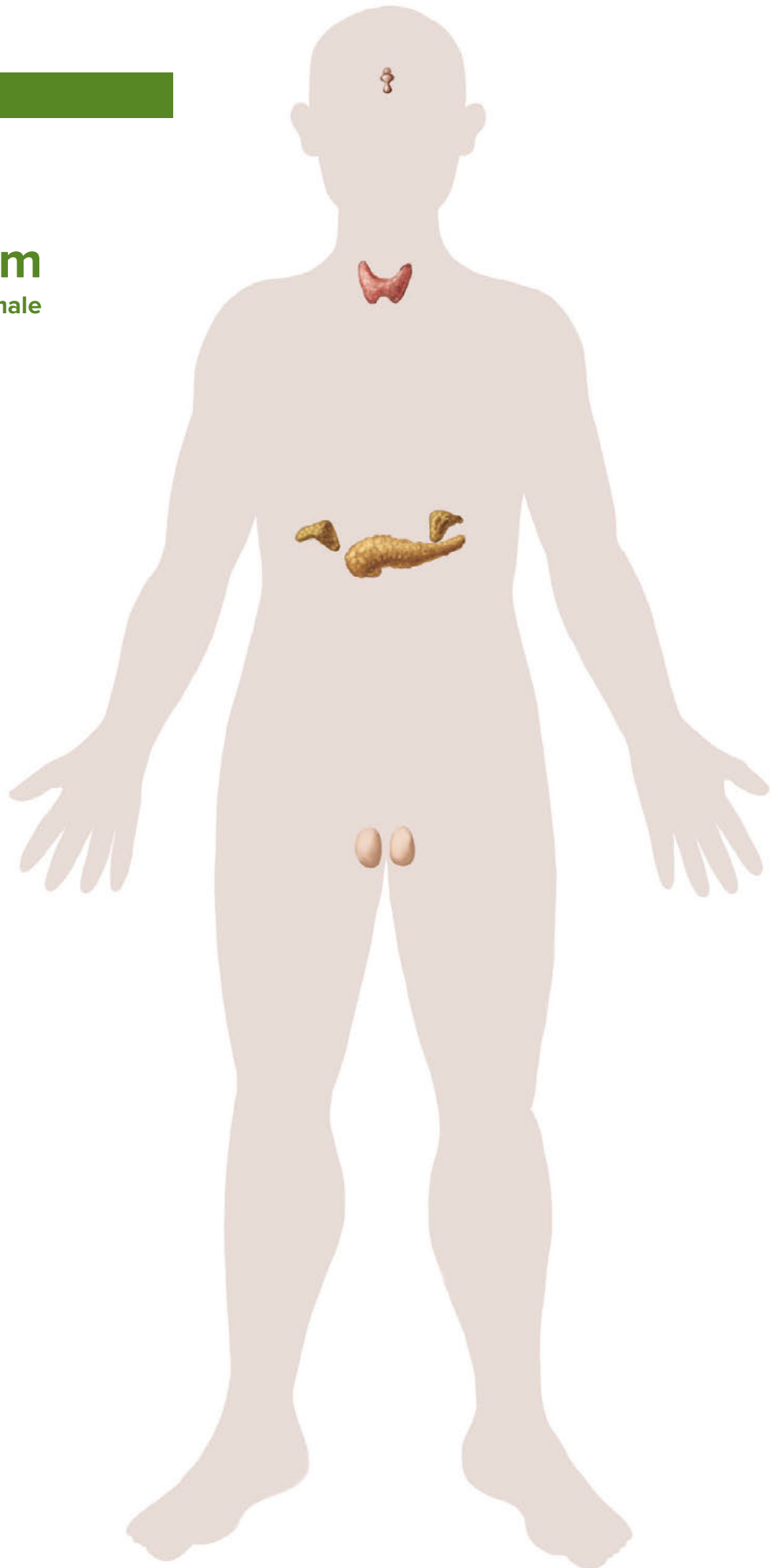
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Parts

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 - ☐ Pituitary glands
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 - ☐ Thyroid glands
- ☐ Testes



Reproductive system

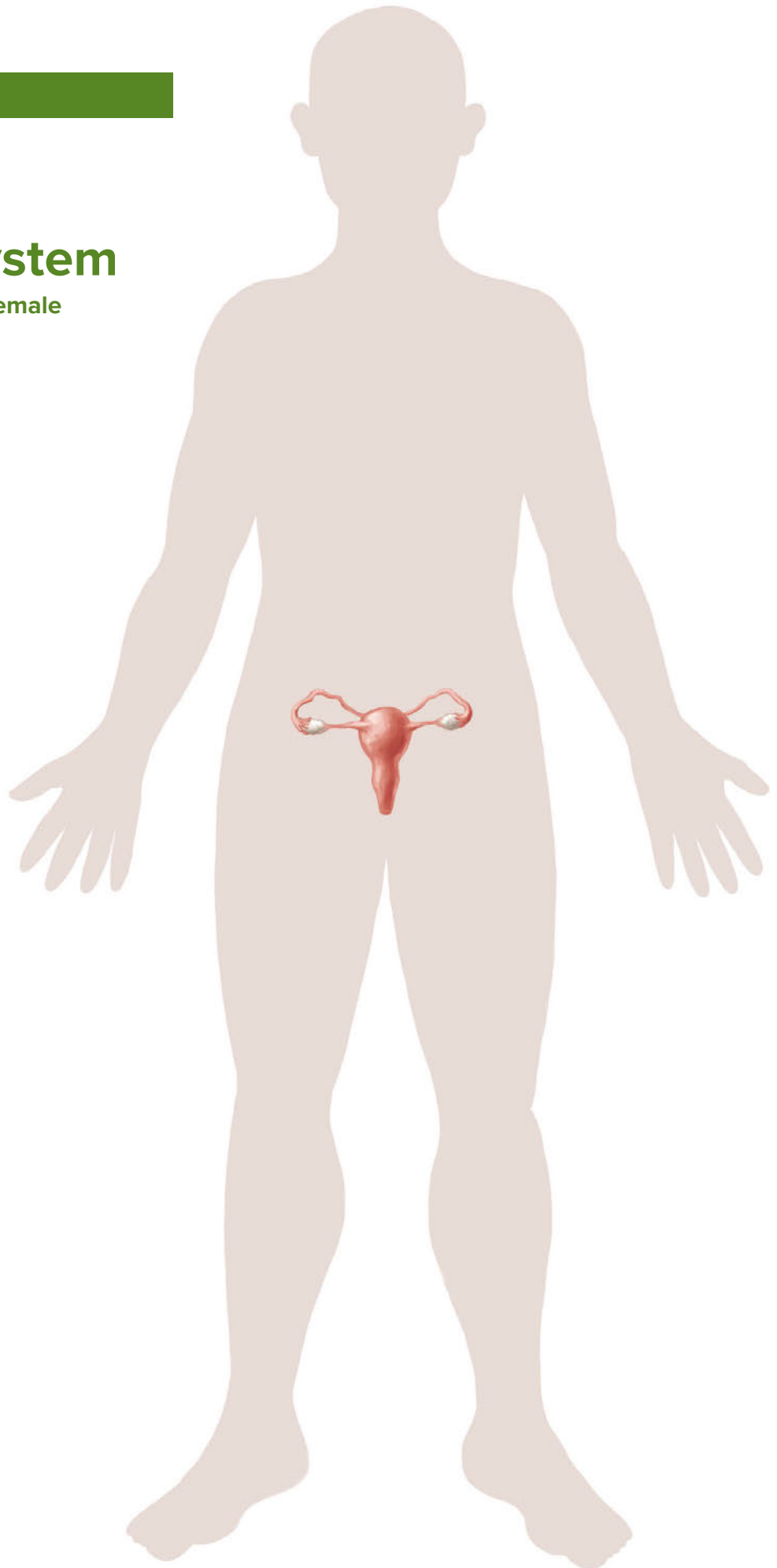
female

Function

- * Produces children through sexual reproduction.

Parts

- ☐ Vagina
- ☐ Uterus
- ☐ Ovaries



Reproductive system

male

Function

- * Produces children through sexual reproduction.

Parts

- ☐ Penis
- ☐ Testes

