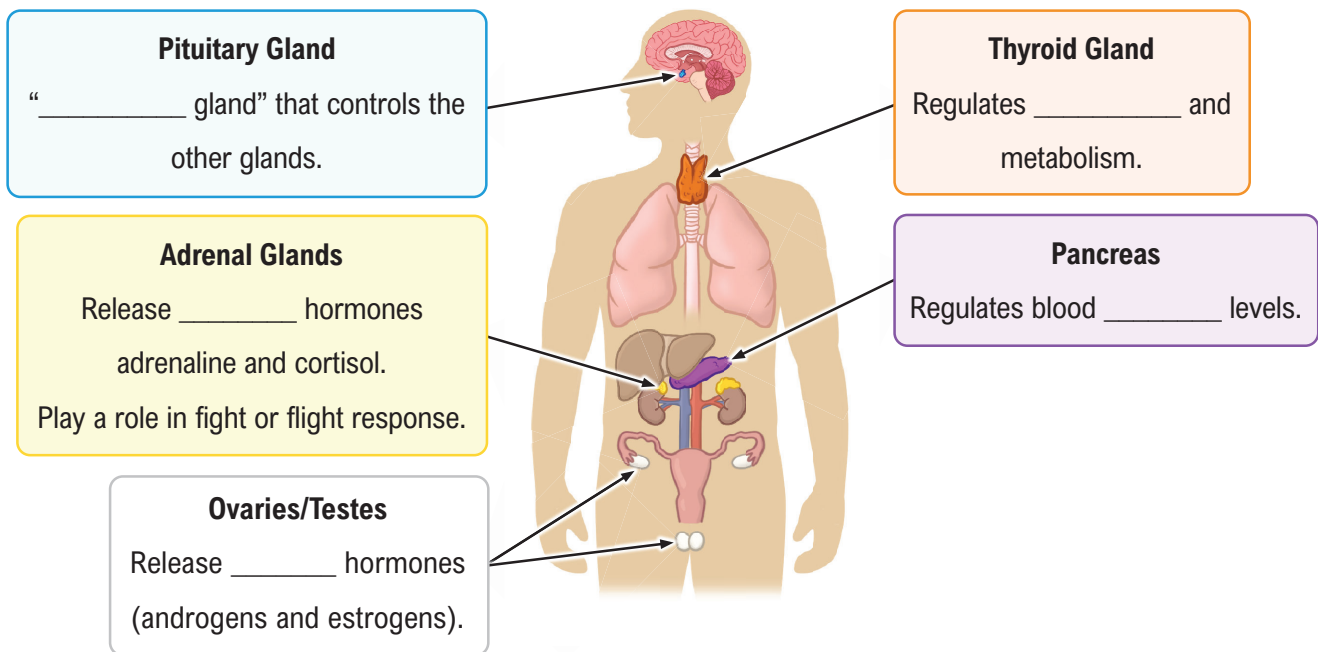


TOPIC: THE ENDOCRINE SYSTEM

- ◆ **The Endocrine System:** A network of glands that release _____ into the bloodstream.
- ◆ **Hormones:** Chemicals that travel _____ the nervous system; enable the brain to regulate the body.
 - Transmit information more _____ than the nervous system, but usually have more _____ effects.
- ◆ Major glands include the:



EXAMPLE

Below is a list of common hormones and their functions. Based on this information, determine which gland likely released each hormone and write the name of the gland on the line provided.

- _____
- Estrogen: Causes the lining of the uterus to thicken: _____
 - Insulin: Regulates blood sugar: _____
 - Thyroxine (T4): Regulates metabolism: _____

TOPIC: THE ENDOCRINE SYSTEM

PRACTICE

Both hormones and neurotransmitters are signaling molecules. Which statement below gives a key difference between hormones and neurotransmitters?

- a) Hormones move through synaptic vesicles to be released.
- b) Neurotransmitters are steroids, while hormones are only peptides.
- c) Unlike neurotransmitters, hormones travel through the bloodstream to reach their target cells.
- d) There are only 2 neurotransmitters while there are many hormones.

PRACTICE

Which gland is responsible for releasing hormones that activate the sympathetic nervous system?

- | | |
|------------------|--------------|
| a) Adrenal. | c) Thyroid. |
| b) Hypothalamus. | d) Pancreas. |