

THE ENDOCRINE AND REPRODUCTIVE SYSTEMS

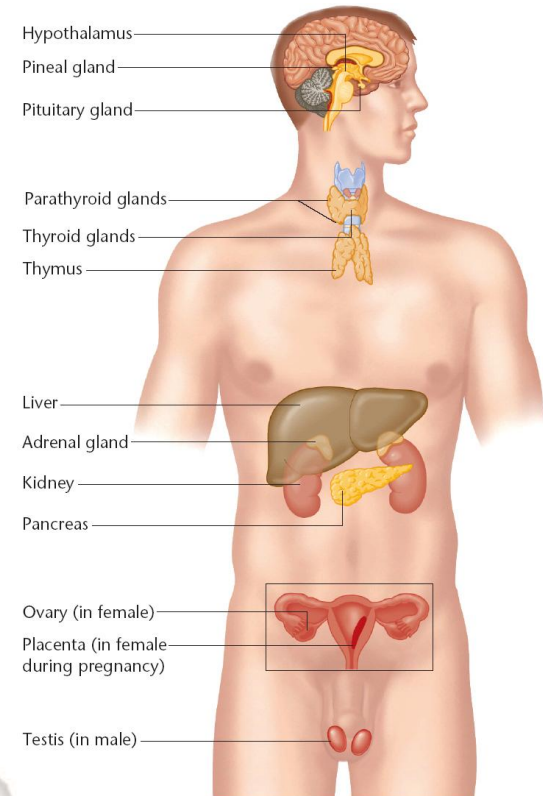
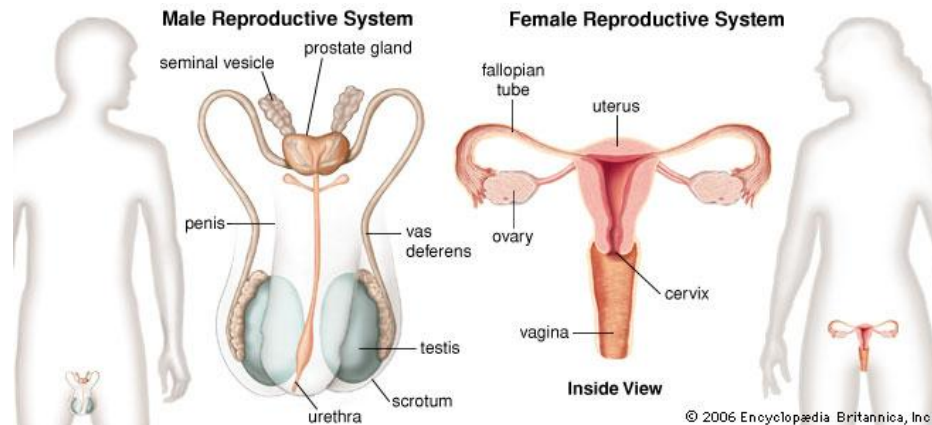
Function(job): to produce and deliver chemical signals throughout the body; includes reproductive glands.

• Endocrine system includes:

- Various glands
- Hormones

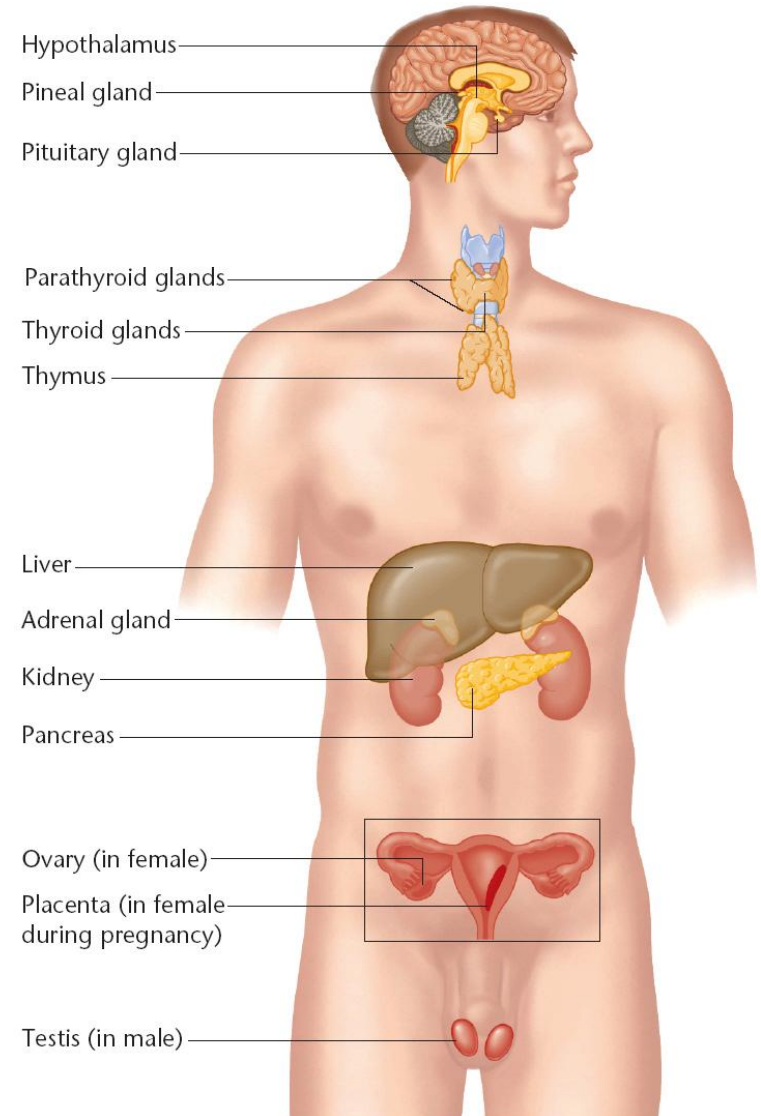
• Reproductive system includes:

- Ovaries
- Uterus
- Testes
- Penis



THE ENDOCRINE SYSTEM

- Endocrine system delivers messages
- Sends chemical signals through the body
- **glands produce hormones**
- hormones are released directly into the bloodstream
- The chemicals released by the endocrine system can **affect almost every cell in the body.**
 - Very important in maintaining homeostasis!

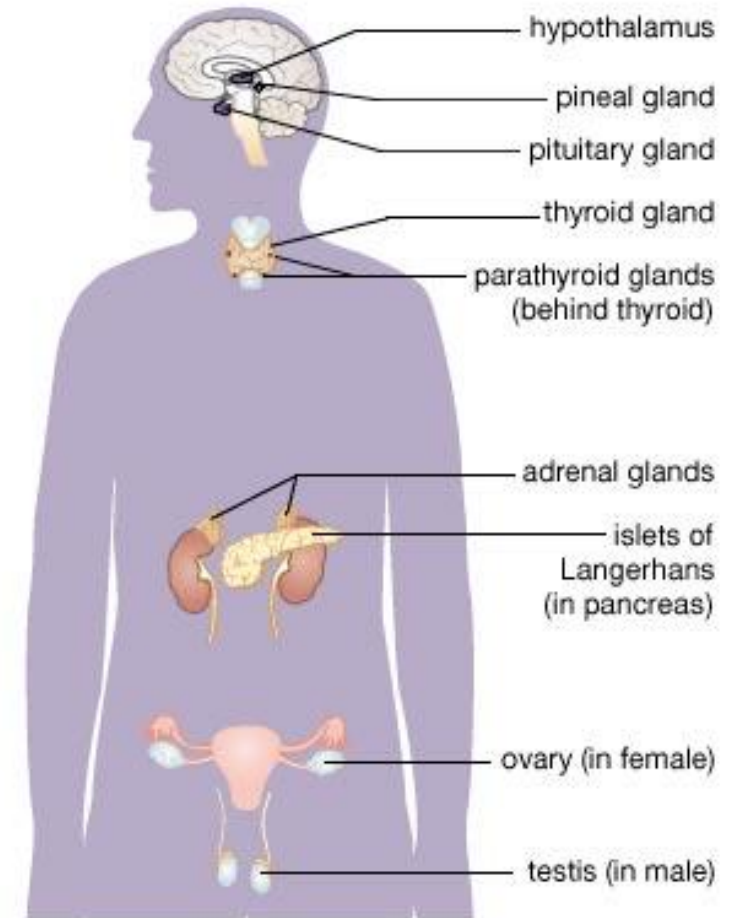


ENDOCRINE SYSTEM: GLANDS

The endocrine glands are spread throughout the body and release hormones

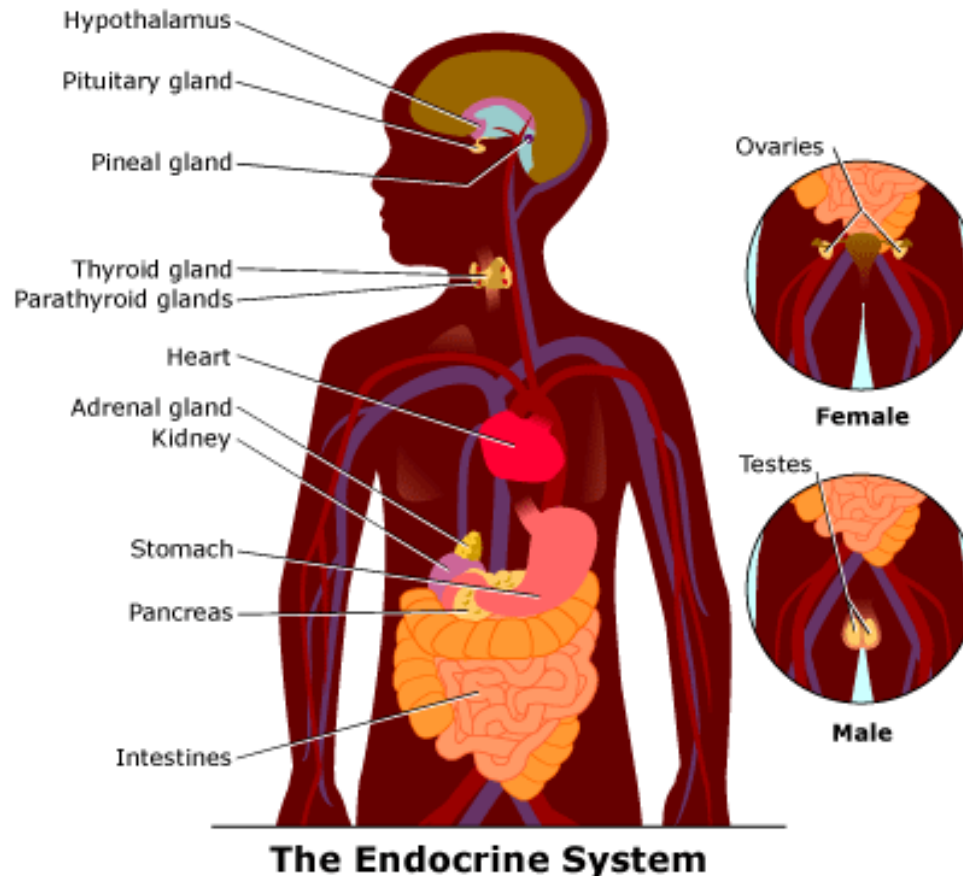
The major glands include the:

- **hypothalamus** (links to brain, controls pituitary)
- **pituitary gland** (growth, puberty)
- **thyroid gland** (bone growth, brain dev't)
- **parathyroid glands** (calcium levels)
- **adrenal glands** (stress response, adrenaline)
- **pancreas** (produces insulin, glucagon)
- **reproductive glands** (testes, ovaries)



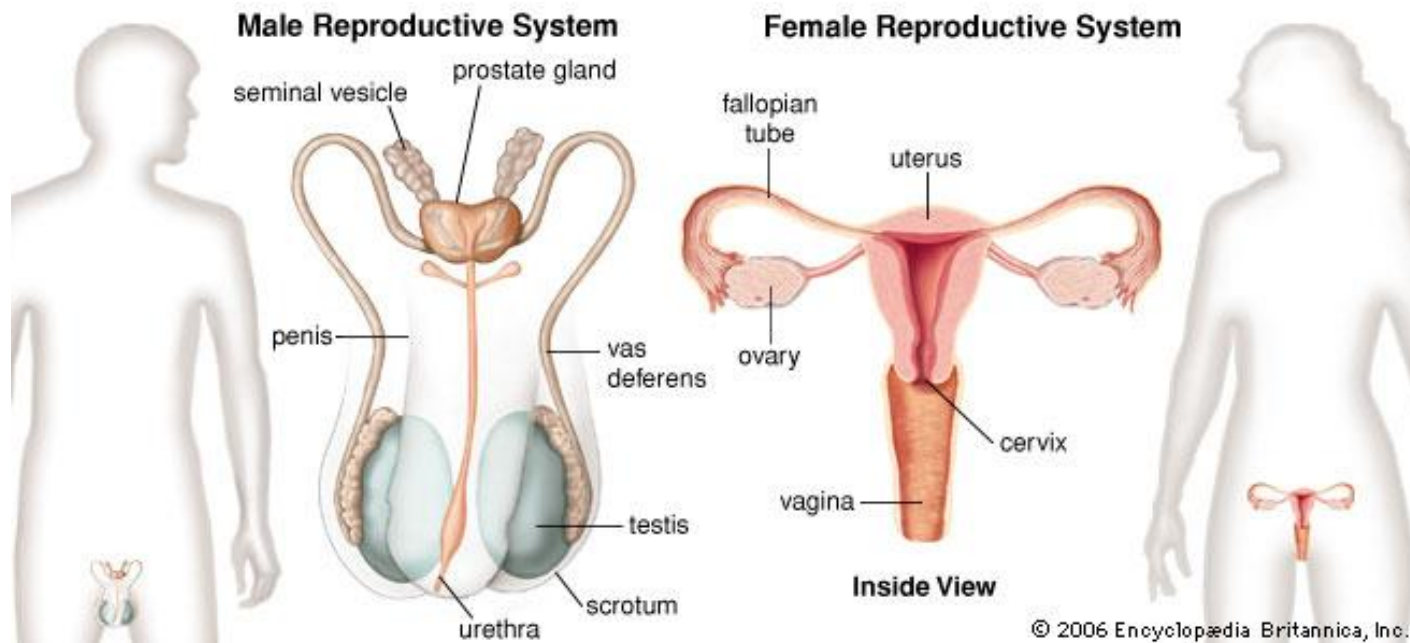
THE ENDOCRINE SYSTEM

- Signals are slow and occur over a long period of time.



THE REPRODUCTIVE SYSTEM

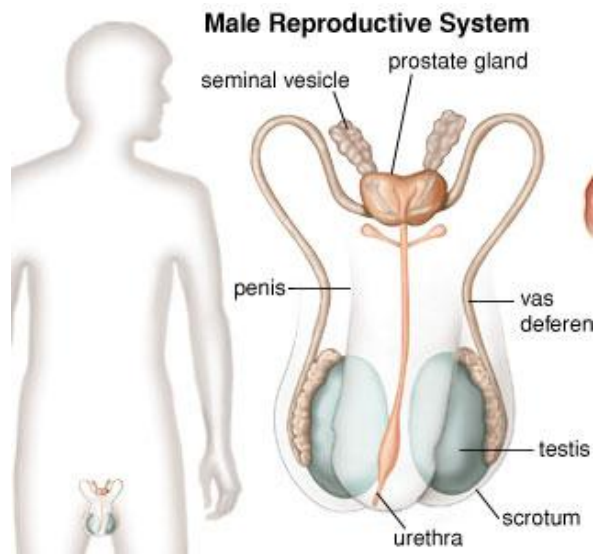
- Reproductive system makes sex cells (gametes)
- Allows organisms to reproduce.
- Males produce sperm; females produce eggs.



THE REPRODUCTIVE SYSTEM

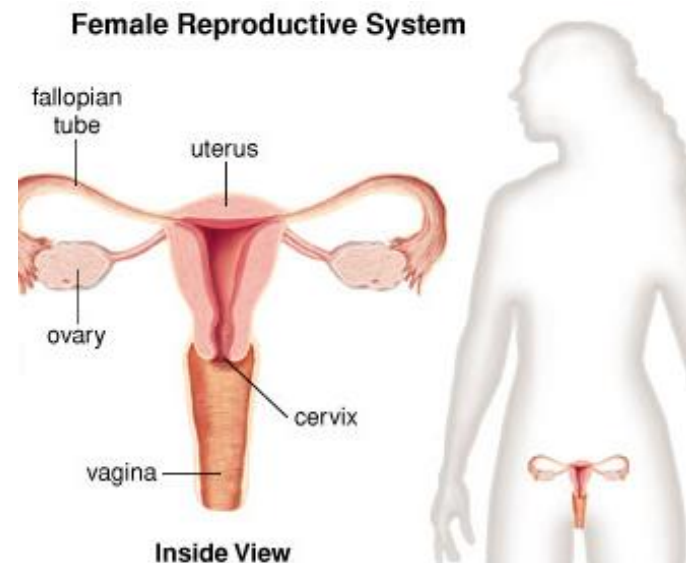
MALE

- Testes (produce and stores sperm)
- Epididymis
- Vas Deferens
- Urethra
- Penis



FEMALE

- Ovaries (produce eggs)
- Fallopian tubes
- Uterus
- Vagina

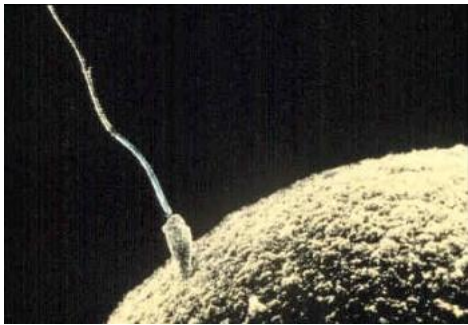


FERTILIZATION

Fertilization: the process of a sperm joining an egg.

Zygote: a fertilized egg

Zygote ----→ Embryo ----→ Fetus ----→ BABY!





THE ENDOCRINE AND REPRODUCTIVE SYSTEMS

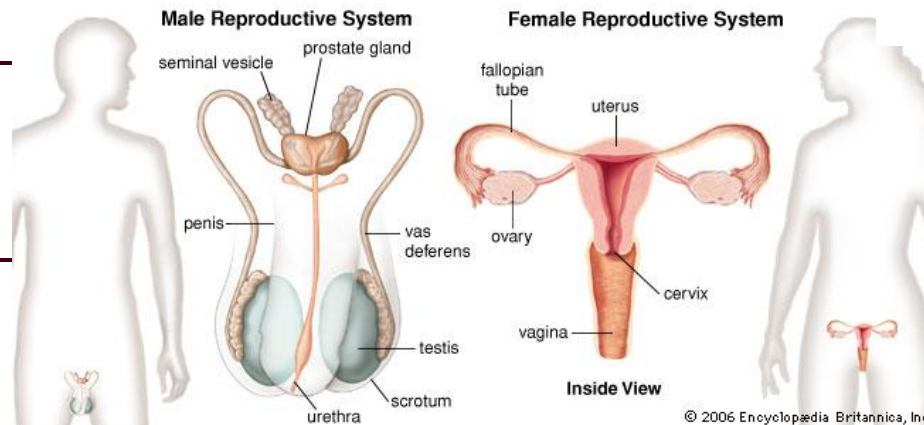
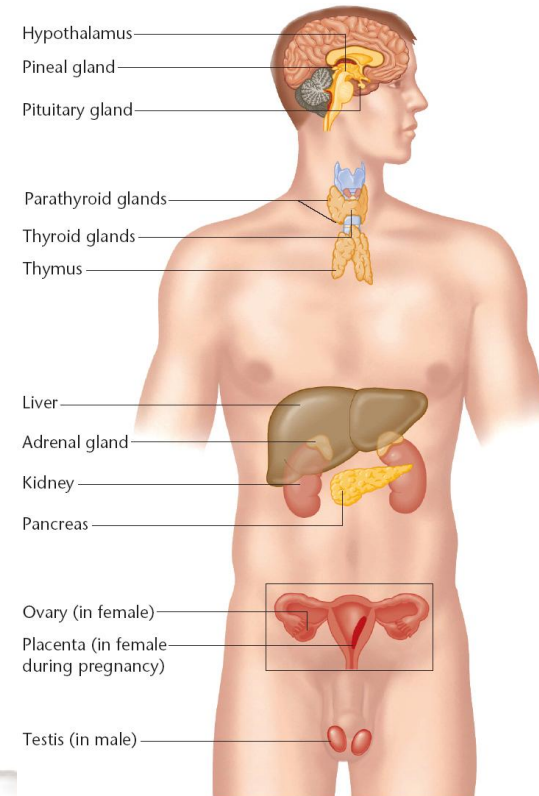
Function(job): to produce and deliver chemical signals throughout the body; includes reproductive glands.

•Endocrine system includes:

- _____
- _____

•Reproductive system includes:

- _____
- Uterus
- _____
- Penis

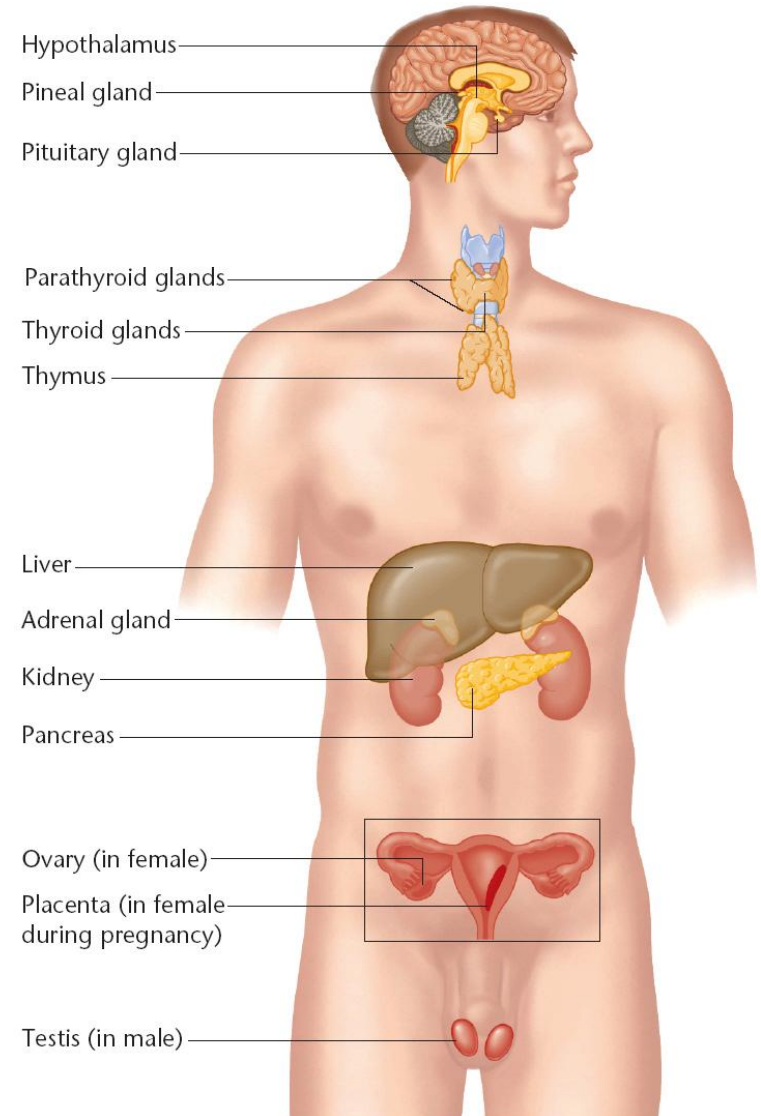


THE ENDOCRINE SYSTEM

- Endocrine system _____

- _____
through the body
- **glands produce hormones**
- hormones are _____

- The chemicals released by the endocrine system can **affect almost every cell in the body.**
- **Very important in**
_____ **!**

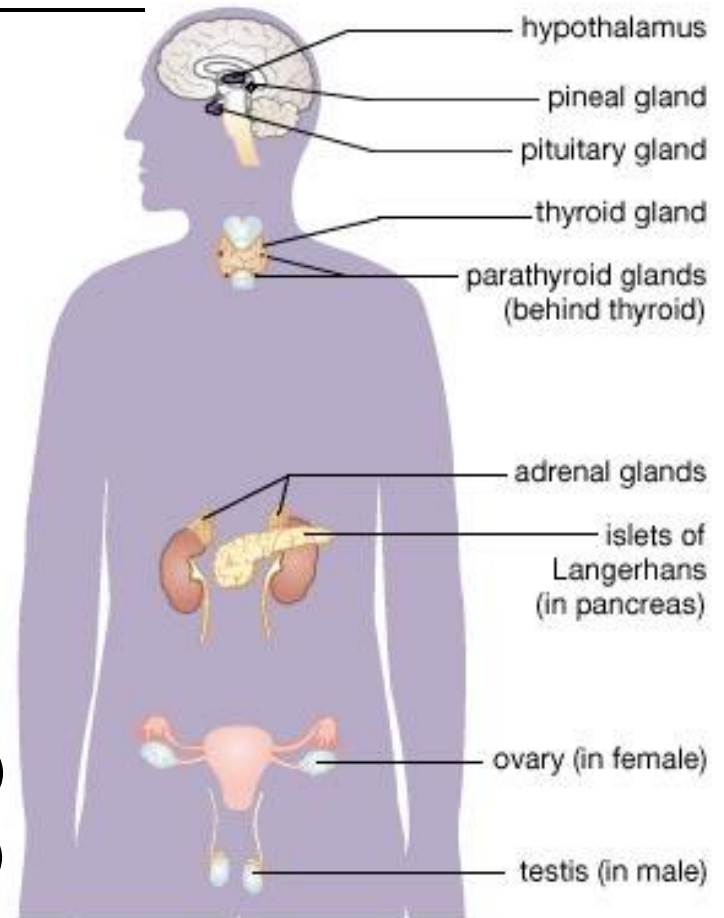


ENDOCRINE SYSTEM: GLANDS

The endocrine glands are _____
and _____

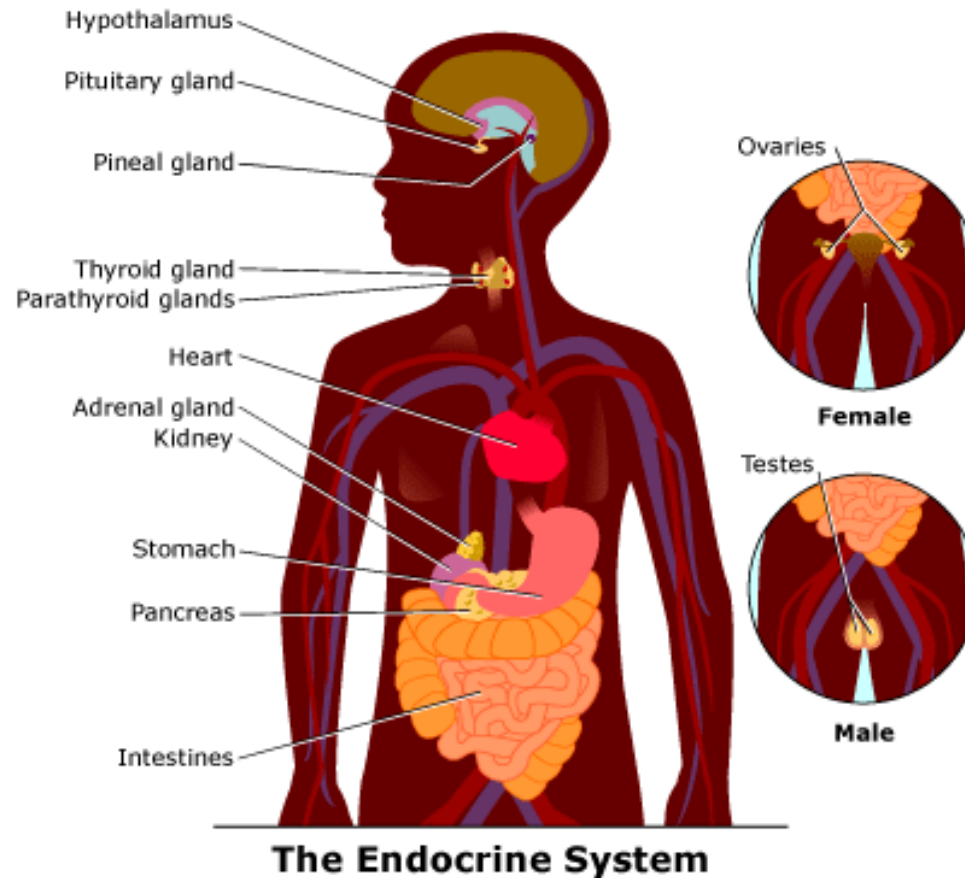
The major glands include the:

- **hypothalamus** (links to brain, controls pituitary)
- _____ **gland** (growth, puberty)
- **thyroid gland** (bone growth, brain dev't)
- **parathyroid glands** (calcium levels)
- **adrenal glands** (stress response, adrenaline)
- _____ (produces insulin, glucagon)
- _____ **glands** (testes, ovaries)



THE ENDOCRINE SYSTEM

- Signals are _____

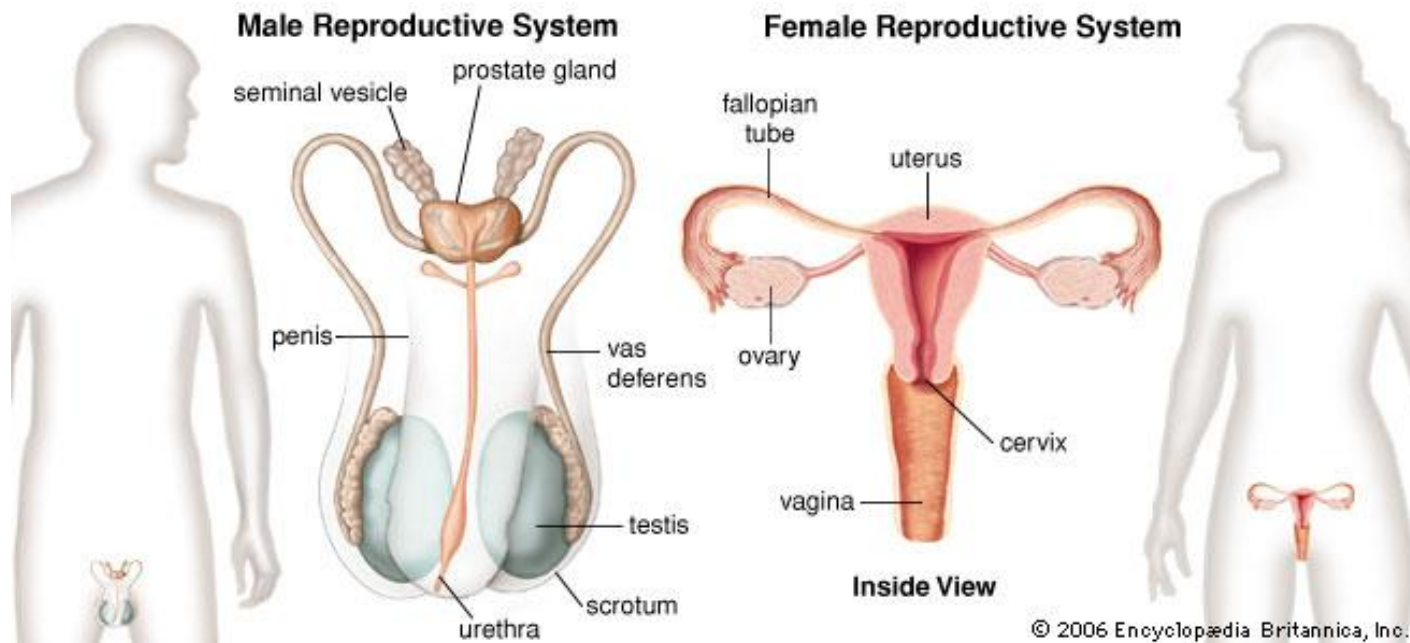


THE REPRODUCTIVE SYSTEM

- Reproductive system makes sex cells
(_____)

• _____.

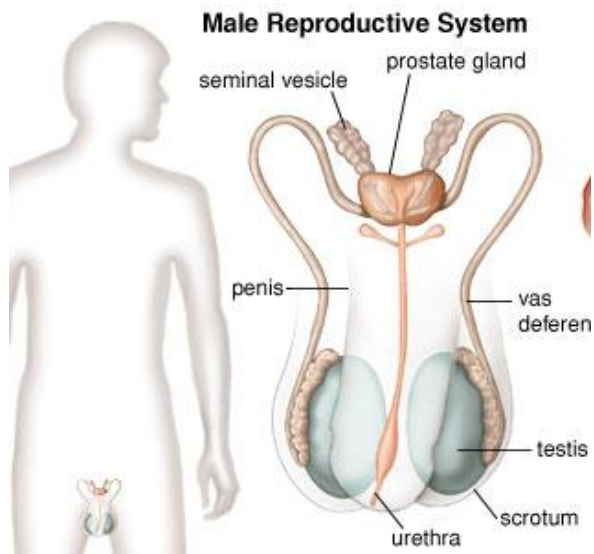
- Males _____; females _____.



THE REPRODUCTIVE SYSTEM

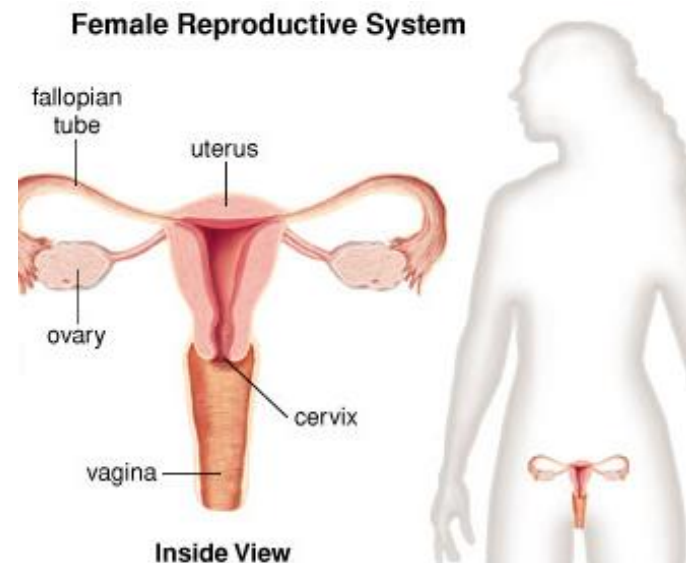
MALE

- Testes (_____)
- Epididymis
- Vas Deferens
- Urethra
- Penis



FEMALE

- Ovaries (_____)
- Fallopian tubes
- Uterus
- Vagina



FERTILIZATION

_____ : the process of a _____.

Zygote: _____

Zygote ----→ Embryo ----→ Fetus ----→ BABY!

