



Biopsychology 3

AQA A Specification: The function of the endocrine system; glands and hormones.



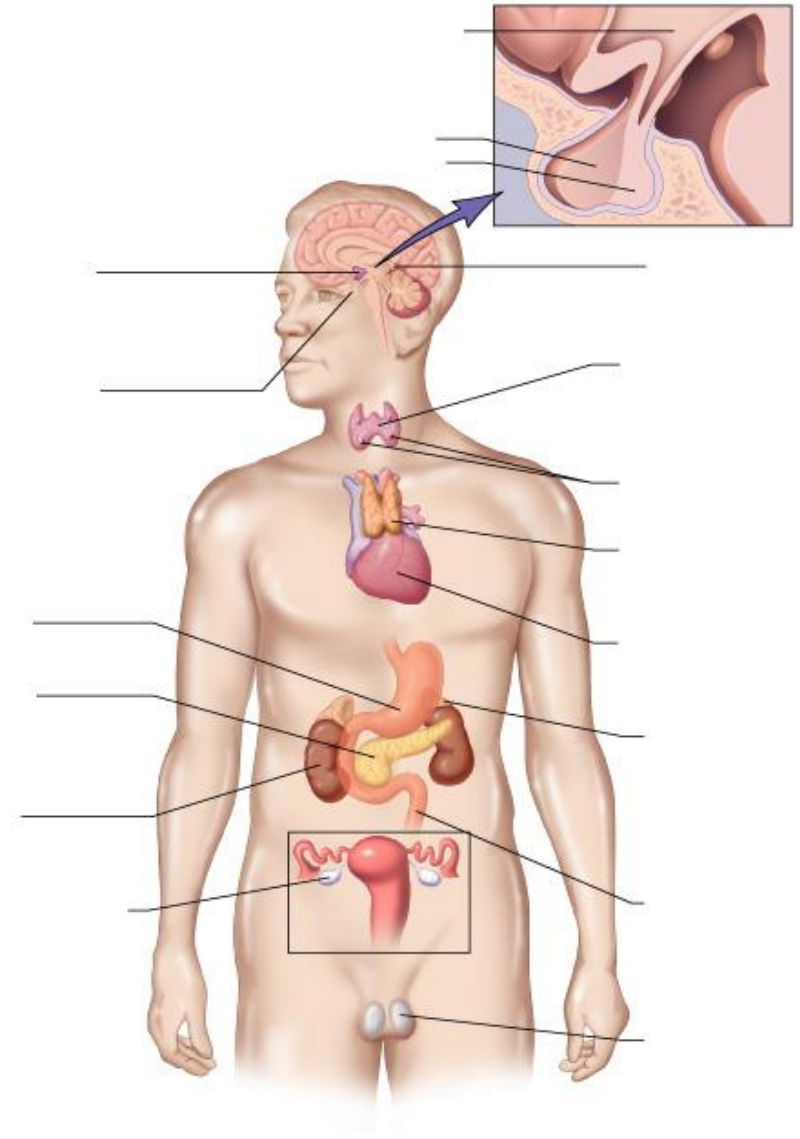
✓ **Nervous system** – neural/electrical system
– neurotransmitters.

➤ **Endocrine system** – chemical/hormonal
system – glands and hormones.

These two systems work together.

The endocrine system

- One of the body's major information systems that instructs glands to release hormones directly into the blood stream.
- These hormones are carried towards target organs in the body.

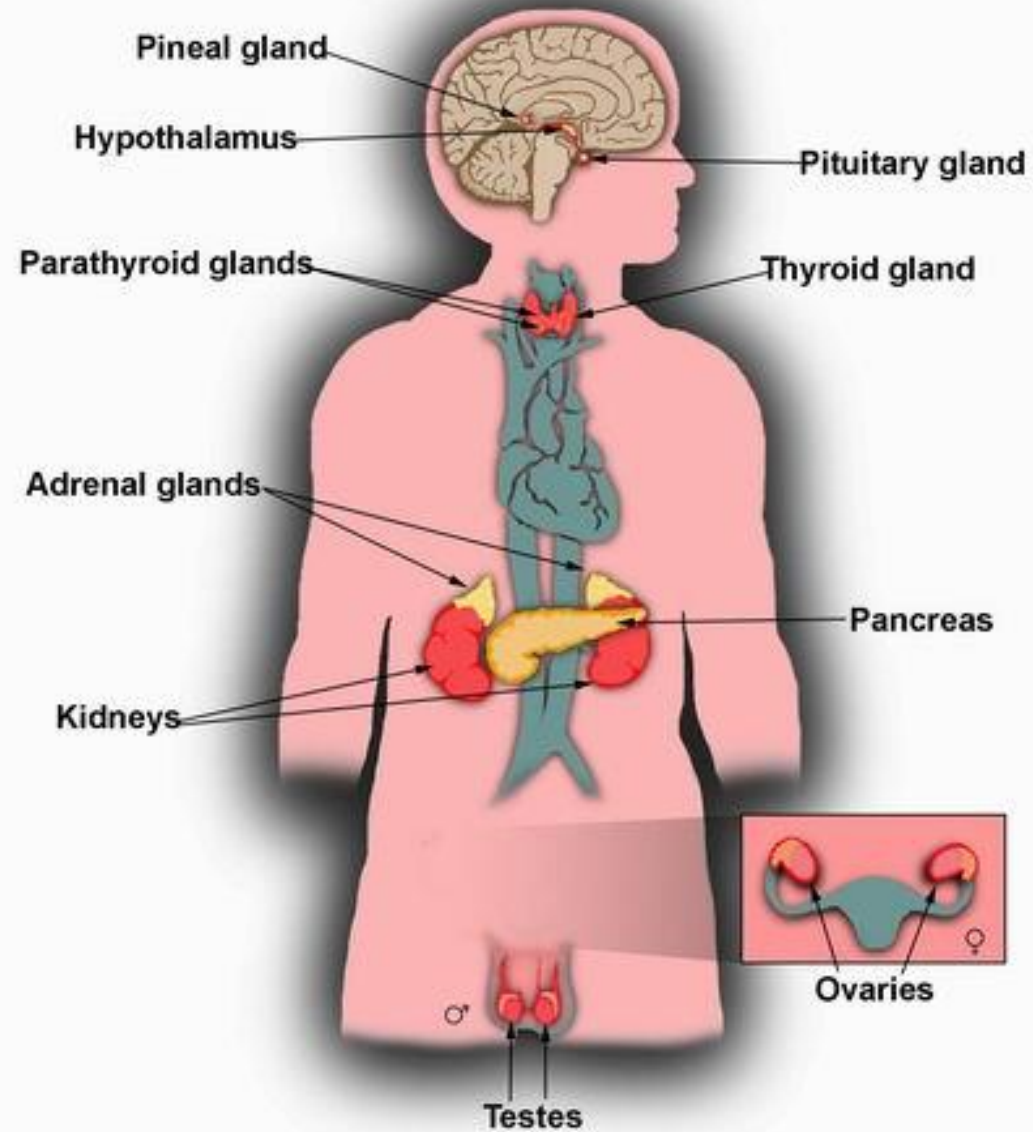


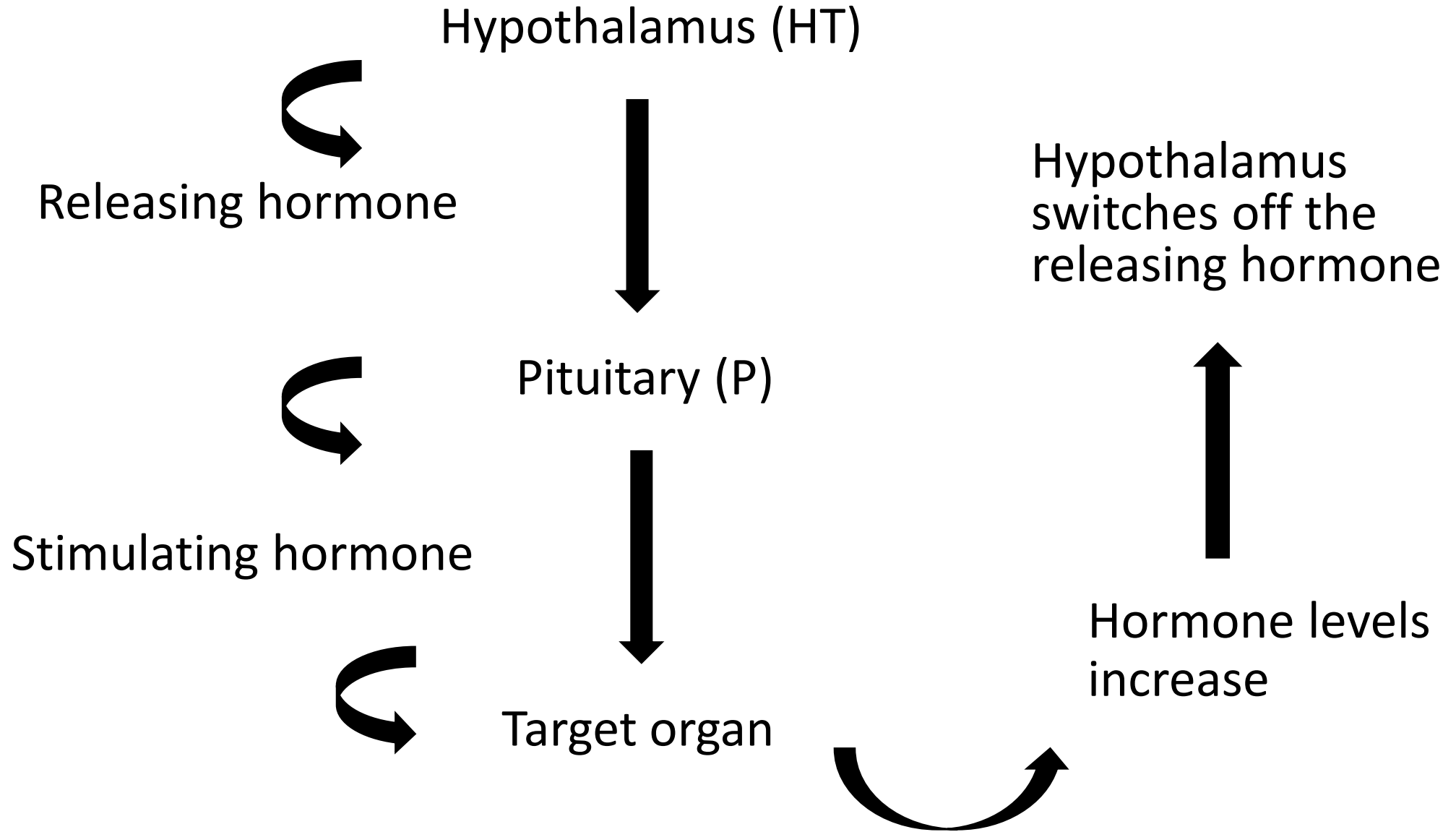
Glands and Hormones

Gland: An organ in the body which secretes a particular chemical.

Hormones: Chemical substances that circulate in the bloodstream and only affect target organs.

The Endocrine System





Gland → hormone → function

1. Pituitary gland – oxytocin - Growth
2. Thyroid gland – thyroxin – cell metabolism rates
3. Adrenal glands – adrenaline and cortisol – fight/flight
4. Pancreas – insulin – metabolism (glucose for energy)
5. Testes – testosterone – male physical characteristics and reproduction.
6. Ovaries – oestrogen and progesterone – female menstrual cycle.

Independent task: Exam practice (pg.14)

- **Exam question:** Outline the endocrine system. *(4 marks)*
- 5 minutes
- Using your notes
- Silence