

Hormones and the endocrine system

What is a hormone?

Hormones and the endocrine system

How are hormones transported around the body?

Hormones and the endocrine system

Name the six endocrine glands you need to know.

Hormones and the endocrine system

Which hormone is made by the thyroid gland?

Hormones and the endocrine system

Which hormone does the pancreas make to lower blood glucose?

Hormones and the endocrine system

Which hormones do the ovaries produce?

Hormones and the endocrine system

Where is the pituitary gland and what does it do?

Hormones and the endocrine system

Which hormone do the testes produce?

In the blood (plasma), from the endocrine gland to the target organs.

A chemical messenger made by an endocrine gland and carried in the blood to its target organs.

Thyroxine.

Pituitary gland, thyroid gland, pancreas, adrenal glands, ovaries and testes.

Oestrogen and progesterone.

Insulin.

Testosterone.

At the base of the brain. It releases hormones that control other glands and organs.

Hormones and the endocrine system **Higher tier**

Which gland makes adrenalin and what is it for?

Hormones and the endocrine system **Higher tier**

List the four effects of adrenalin.

Hormones and the endocrine system **Higher tier**

How does adrenalin raise blood sugar level?

Hormones and the endocrine system **Higher tier**

What does thyroxine control?

Hormones and the endocrine system **Higher tier**

Put in order: thyroxine low, TSH, TRH, thyroxine made.

Hormones and the endocrine system **Higher tier**

What happens when thyroxine levels are normal?

Increased heart rate, increased blood pressure, increased blood flow to the muscles, and raised blood sugar level.

The adrenal glands. Adrenalin prepares the body for fight or flight.

Metabolic rate, as an example of negative feedback.

It stimulates the liver to change glycogen into glucose.

Thyroxine inhibits the release of TRH and the production of TSH.

Low thyroxine, TRH from the hypothalamus, TSH from the pituitary, thyroid makes thyroxine.