

ANATOMY:

Hormones [Chemical signals]

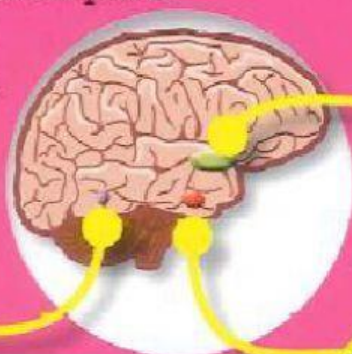
Hormones put you to sleep. They can also save your life by firing up your body in an emergency. Hormones travel in your blood, even when you're asleep. They take messages to all parts of your body, controlling and coordinating bodily functions.

What gland where?

Your body makes over 50 hormones. They are made inside organs called glands and in some tissues. All your hormone-producing tissues and glands together are called the endocrine system.

Pineal gland

This releases the hormone melatonin, which controls your waking and sleeping patterns.



Hypothalamus

This lies deep inside your brain. It controls the activity of the pituitary gland.



Hypothalamus

Pituitary gland

This master gland produces hormones that control many functions of other glands. It is the size of a pea.



Pituitary gland

Thyroid gland

The hormone thyroxine, made by this gland, controls how much energy your cells use and regulates your body temperature.



Thymus gland

Hormones from the thymus help cells called T cells identify germs in blood.



T cell

Adrenal glands

Two adrenal glands, one on top of each kidney, produce several hormones. One of these, adrenaline, prepares your body for stress or danger.

I'm so excited!
Your body releases adrenaline if you're excited, angry, afraid, or stressed.



Parathyroid glands

These control the level of calcium in blood and bones.



Bone containing calcium

Pancreas

Your pancreas releases the hormones insulin and glucagon. These help regulate the level of sugar in your blood.



ANATOMY:

ANSWER THESE QUESTIONS

The pineal gland controls waking up

TRUE

FALSE

Adrenal glands produce adrenaline

TRUE

FALSE

Pancreas produce insulin

TRUE

FALSE

The thyroid gland controls body temp

TRUE

FALSE

Click Here

