

Endocrine and Reproductive Systems

Endocrine Gland	Location	Size	Function
Pituitary	At the base of the cerebrum	A marble	"Master gland" releases hormones that control other glands. Produces HGH (human growth hormone)
Thyroid	Throat	A bar of soap	Controls your metabolism
Adrenal	On kidneys	Lemons	Manages stress, regulates amount of salt in your blood, sexual development
Pineal	Center of brain	Grain of rice	Releases melatonin
Pancreas	Behind the stomach	A banana	Regulates glucose in blood and cells, produces insulin to control blood sugar
Thymus	Between heart and sternum	Largest during puberty, shrinks as you age	Helps fight infection, makes T cells
Parathyroids	Behind the thyroid	Peas	Controls the amount of calcium in your blood
Testes (male) Ovaries (female)	Groin	Size varies	Causes maturity, sex cells (sperm or eggs) are made here

What is the main function of the endocrine system? The endocrine system uses hormones, released into the blood, to tell other systems what to do.

What is the main function of the reproductive system? Join sex cells (eggs in females, sperm in males) to produce offspring.

How do these two systems work together? Both use hormones. The Endocrine System gets the body ready to reproduce.