

THE HUMAN ENDOCRINE SYSTEM

- ◆ **Hormone** – A hormone is a chemical secreted by an endocrine _____ and carried in the _____ to target organs where it performs a specific _____.
- ◆ **Functions of Hormones** – The varying actions performed by hormones may be fast-acting (e.g. Adrenaline is a hormone that _____ up the heart and breathing rates when we get a fright), or may be slow-acting (e.g. Human Growth Hormone regulates the many body processes involved in _____).

ENDOCRINE GLAND	HORMONE SECRETED	TARGET ORGAN	EFFECT ON BODY
Pituitary	human growth hormone	all cells	
	antidiuretic hormone	kidneys	
Thyroid	thyroxine	all cells	
Parathyroid	parathyroid hormone	bones, kidneys	
Adrenal	adrenaline ('fight or flight' hormone)	most cells	
Pancreas	insulin	all cells	
	glucagon	all cells	
Gonads (Testes and Ovaries)	oestrogen	sex organs	
	progesterone	sex organs	
	testosterone	sex organs, muscle	