

Glands of the Human Body

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Organs of the human body, which manufacture some liquid products, which are secreted from the cells, are called glands. There are two types of glands:

Ducted Glands: Ducted glands, also called exocrine glands secrete their product through well defined ducts, e.g., Liver ? production of bile; Lachrymal ? secretes tears in the eyes; Salivary-secretes saliva in the mouth; Sweat glands in the skin ? secrete sweat. Ductless Glands: Also called endocrine glands or internally secreting glands, they secrete hormones directly into the blood-stream in response to instructions from the brain.

Ductless Glands

Thymus	In early childhood it plays some part in building resistance to diseases and physical development
Thyroid	Regulates metabolism
Prostrate	Regulates blood pressure and sexual potency
Gonads	Relates to reproductive system and secretes sex hormones
Adrenal	Causes acceleration of the breath, heightens emotion and a sudden increase in physical strength during fear or anger
Pancreas	Aids in digestion of proteins, carbohydrates and fats; it secretes insulin and deficiency of insulin causes diabetes
Pituitary	Called the master gland as it controls the other ductless glands and influences growth and metabolism