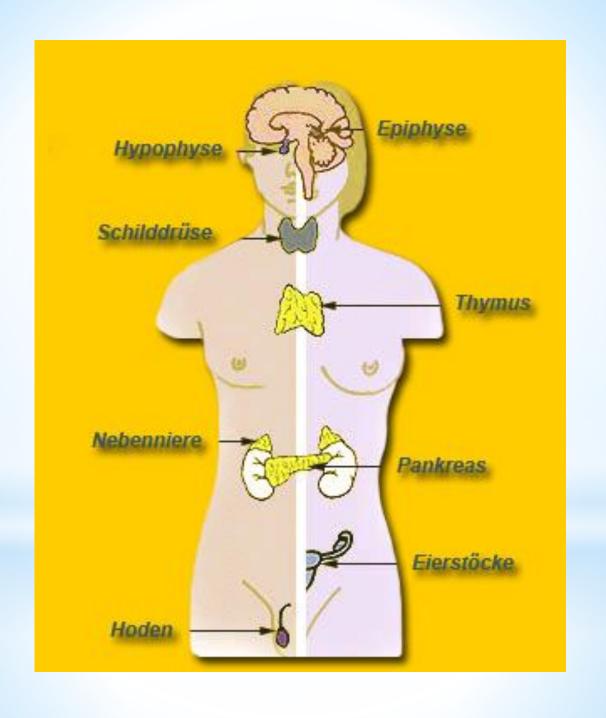
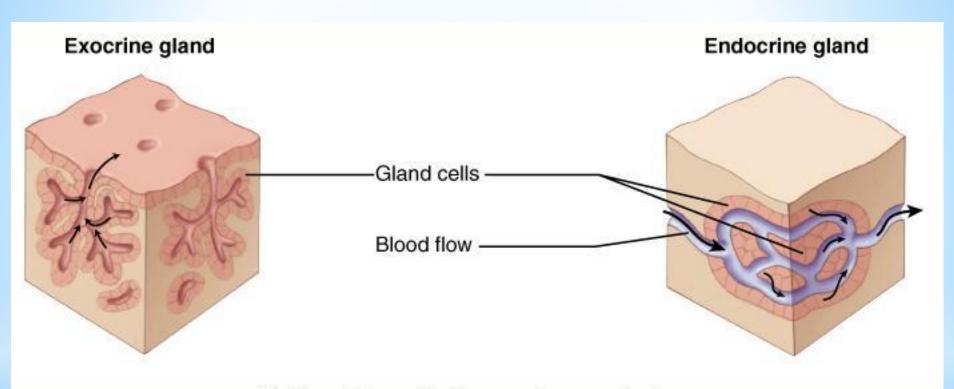
*Endocrine glands.

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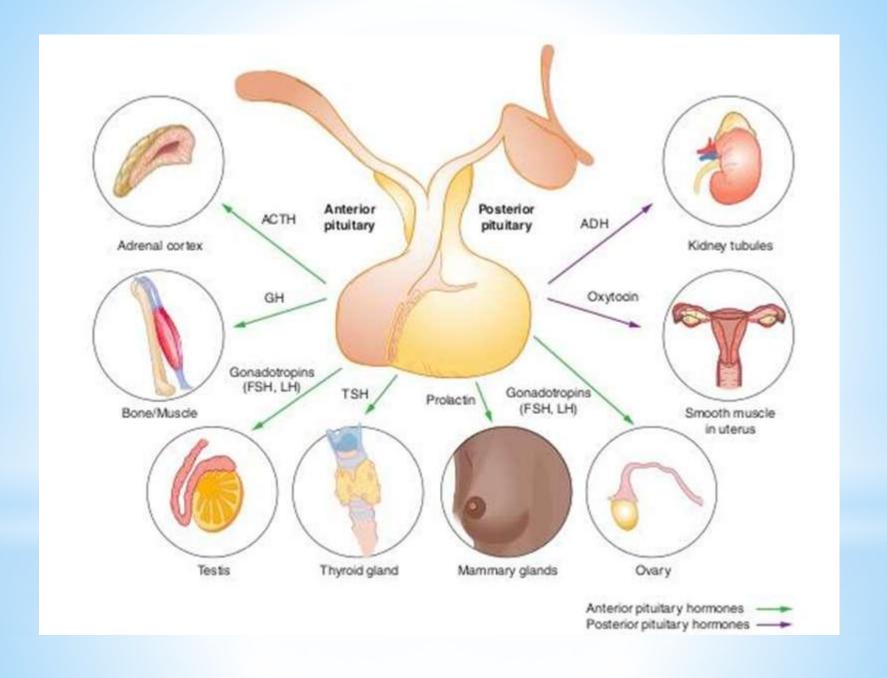




(b) Glandular epithelia secrete a product

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Major Endocrine Glands	Gland	Hormones produced	Effect of Hormone
Male Female Pituitary gland Thyroid gland	Pineal gland	Melatonin	Affects reproductive development and daily physiologic cycles.
	Pituitary gland	Growth hormone Anti-diuretic hormone Gonadotrophins	Controls growth of bones and muscles. Increases reabsorption of water in kidneys. Controls development of ovaries and testes.
Thymus	Thyroid gland	Thyroxine	Controls rate of metabolism and rate that glucose is used up in respiration, and promote growth.
Adrenal gland Pancreas Ovary	Adrenal gland	Adrenaline	Prepares the body for emergencies increases heart rate and rate and depth of breathing, raises blood sugar level so more glucose is available for respiration, diverts blood from gut to limbs.
	Pancreas	Insulin Glucagon	Converts excess glucose into glycogen in liver. Converts glycogen back to glucose in liver.
	Ovaries	Oestrogen Progesterone	Controls ovulation and secondary sexual characteristics. Prepares the uterus lining for receiving an embryo.
The Endocrine System	Testes	Testosterone	Controls sperm production and secondary sexual characteristics.
	Thymus	Thymosin	Promotes production and matu- ration of white blood cells .





*THE END.