

HUMAN ENDOCRINE SYSTEM QUESTIONS

1. Define: (a) hormone (b) endocrine gland.
2. State the source gland and function of these hormones: (a) thyroxine (b) insulin (c) glucagon (d) adrenaline (e) human growth hormone (f) testosterone (g) oestrogen (h) progesterone.
3. Why is the pituitary gland sometimes called the “master gland”?
4. Define homeostasis.
5. The secretion of the thyroid hormone thyroxine is controlled by the anterior pituitary gland. The process seems to occur as follows. There are cells in the hypothalamus which detect changes in the level of thyroid hormone in the blood. These secrete chemical activators that stimulate the anterior pituitary. The anterior pituitary in turn secretes a hormone that stimulates the thyroid gland to produce its hormone. What name is given to this mechanism?
6. Explain the difference between positive and negative feedback control, giving brief examples.