

## Choose the correct answer from the following questions:

1) Which of these hormones does NOT play a role in reproduction:

- A) estrogen
- B) luteinizing hormone
- C) testosterone
- D) follicle-stimulating hormone
- E) antidiuretic hormone

2) Which one of the following hormones is NOT produced by the anterior lobe of the pituitary gland:

- A) thyroid-stimulating hormone
- B) oxytocin
- C) growth hormone
- D) prolactin
- E) luteinizing hormone

3) Negative feedback mechanisms regulate:

- A) hormones of the anterior lobe of the pituitary gland
- B) very few hormones
- C) most hormones
- D) hormones of the posterior lobe of the pituitary gland

4) The hypothalamus is most closely connected with the:

- A) thymus gland
- B) thyroid gland
- C) pituitary gland
- D) pineal gland
- E) pancreas

**5) Growth hormone:**

- A) acts on the adrenal cortex to produce cortisol and aldosterone
- B) is produced by the posterior lobe of the pituitary gland
- C) promotes growth in long bones and skeletal muscles
- D) is secreted by the thymus gland

**6) The chemical messengers of the endocrine system are known as:**

- A) stimuli
- B) neurons
- C) effectors
- D) hormones
- E) target cells

**Application Question:**

Predict the effect of a hot environment on ADH secretion and explain why this effect is advantageous to the human body.