

# Endocrine Physiology

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## Questions

**DIRECTIONS:** Each question below contains five suggested responses. Select the **one best** response to each question.

**372.** The supraoptic nucleus of the hypothalamus is believed to control secretion of which of the following hormones?

- a. Antidiuretic hormone (arginine vasopressin)
- b. Oxytocin
- c. Growth hormone
- d. Adrenocorticotropic hormone
- e. Follicle-stimulating hormone

**373.** Parathyroid hormone (PTH) is accurately described by which of the following statements?

- a. It is secreted in response to an increase in plasma  $\text{Ca}^{2+}$  concentration
- b. It acts directly on bone cells to increase  $\text{Ca}^{2+}$  deposition
- c. It acts directly on intestinal cells to increase  $\text{Ca}^{2+}$  absorption
- d. It causes a decrease in cAMP concentration within renal proximal tubular cells
- e. It is essential for life

**374.** When a person is in the fasting state,

- a. Liver glycogen levels are increased
- b. The excretion of urea in the urine decreases
- c. Basal metabolic rate (BMR) decreases
- d. Glucose is the only fuel used by the central nervous system
- e. Gluconeogenesis is inhibited

**375.** True statements regarding atrial natriuretic hormone (ANH) include that it

- a. Is synthesized from cholesterol
- b. Is secreted in response to hypovolemia
- c. Increases total peripheral resistance
- d. Decreases glomerular filtration rate
- e. Inhibits aldosterone secretion

# Endocrinology Questions And Answers

**Patrick Vollmar**



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