



The Demonstration School of Ramkhamhaeng University English Program
SCI 33341 Mathayom 6 Biology Examination Final First Semester, 2026

Name _____ No _____ Class _____ Score _____/15

Endocrine System

1. The defining difference between exocrine and endocrine glands is:

- A) where their products are secreted.
- B) their location.
- C) their size.
- D) the quantity and type of products secreted.

2. Which of the following is an incorrectly matched endocrine gland and hormone?

- A) Pancreas - glucagon
- B) Bones - growth hormone
- C) Ovaries - estrogen
- D) Thymus - thymosines

3. Which of these hormones is mismatched with its target organ?

- A) Oxytocin - mammary glands
- B) Follicle stimulating hormone - thyroid
- C) Antidiuretic hormone - kidneys
- D) Growth hormone - bones and muscles

4. A diet deficient in _____ results in a simple goiter.

- A) iron
- B) vitamin D
- C) potassium
- D) iodine
- D) None of these

5. Blood pressure is regulated by _____ produced by the adrenal cortex.

- A) epinephrine
- B) aldosterone
- C) cortisol
- D) antidiuretic hormone

6. Most of the CO₂ in the pulmonary capillaries is transported in the form of _____?

- A) carbamino-hemoglobin
- B) the bicarbonate ion
- C) carbonic anhydrase
- D) Oxy-hemoglobin

7. Oxygenated blood leaves the lungs and

returns to the heart in ____?

- A) a pulmonary vein
- B) the superior vena cava
- C) the pulmonary trunk
- D) a pulmonary artery

8. Which of the following is correct about exhalation ?

- A) ribcage expands
- B) diaphragm is lowered
- C) ribcage relax
- D) intercostal muscles relax

9. In humans, the male gonads are the _____ and the female gonads are the _____.

- A) bulbourethral glands; clitoris
- B) seminal vesicles; cervix
- C) testes; ovaries
- D) vas deferens; oviducts

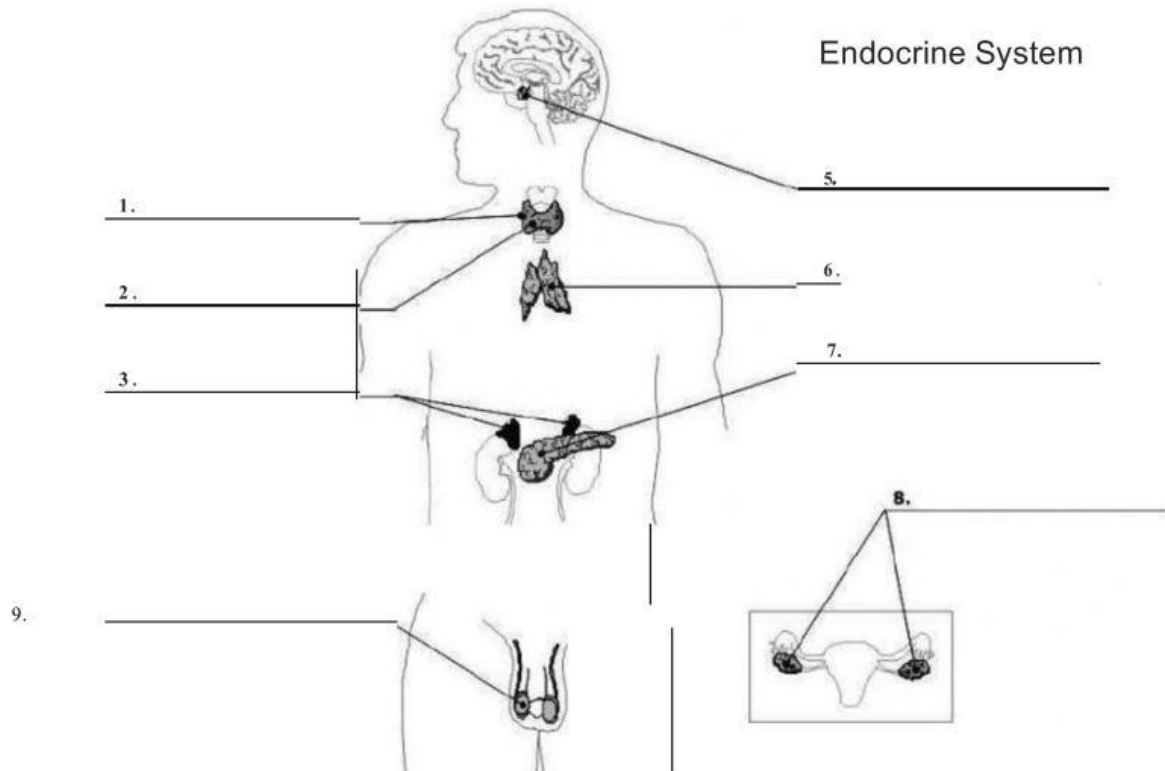
10. Sperm maturation occur in the _____?

- A) epididymis
- B) seminiferous tubules
- C) urethra
- D) vagina



Part II

Below is a diagram of the endocrine system. Label the diagram.



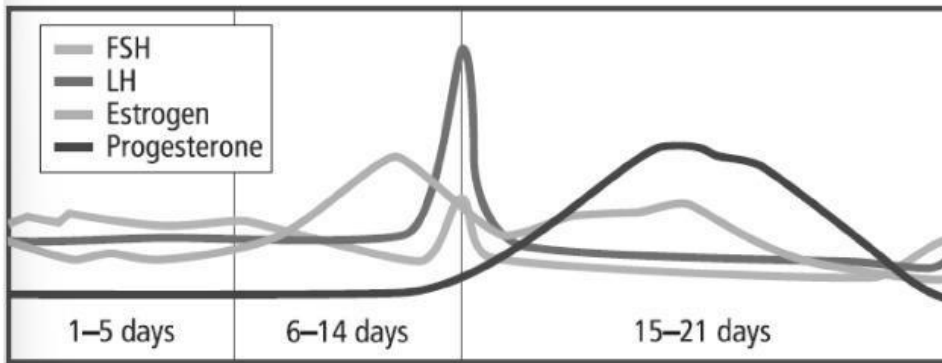
10. Explain how the endocrine and nervous systems work together to maintain homeostasis?

11. Discuss what happens during menstruation

12. How does the location of the scrotum is essential for sperm production?



Use the diagram below to answer question 13



13. Based on your knowledge of the hormonal control of the female reproductive cycle, explain why a woman cannot get pregnant after she is pregnant.

14. Complete the table below.

Hormone	Function
	Control ovulation and secondary sexual characteristics
	Controls the rate of metabolism
	Lowers blood glucose levels
	Prepares the body for emergencies
	Controls growth of bones and muscles
	Controls sperm production and secondary sexual characteristics
	Helps regulate the level of calcium in blood