

Name:

## **OL Lab 6: Male and female reproductive system**

Learning objectives:

- Identify the process of gametogenesis
- Describe the hormonal regulation in male and female reproductive cycle.
- Identify the male and female reproductive structures.

### **Part 1: Male reproductive system**

1.1 Identify the missing labels to complete the hormonal regulation in the male reproductive system. (5 points)

- A. Anterior pituitary
- B. Inhibin
- C. Luteinizing hormone (LH)
- D. Sertoli cells
- E. Androgen-binding protein (ABP)

1.2 Identify the function of the following hormones: (4 points)

- a. Gonadotropin-releasing hormone (GnRH): Encourages sexual growth by activating the secretion of LH and FSH.
- b. Follicle stimulating hormone: Accelerates sperm creation, accelerates follicle cells to emit estrogen, and begins the development of follicles inside the ovaries.