

# Lab 15 Reproductive system

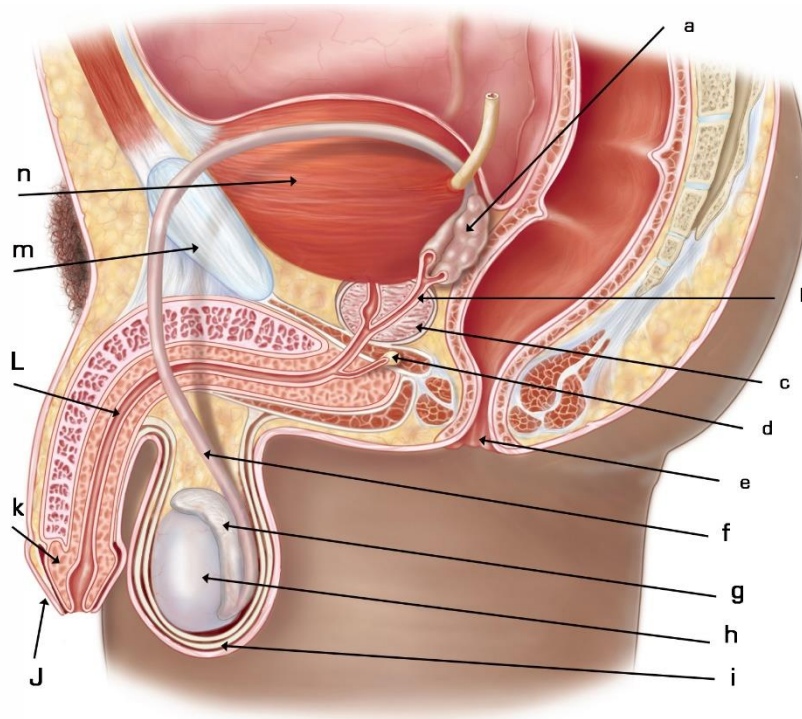
Name \_\_\_\_\_

Seat number \_\_\_\_\_

## Objectives:

- A. Male reproductive anatomy
- B. Female reproductive anatomy
- C. Female reproductive cycle
- D. Drawing

### A. Male reproductive anatomy



Identify the parts of the male reproductive system pictured below. Also be able to recognize these same structures on the model.

- a) \_\_\_\_\_
- b) \_\_\_\_\_
- c) \_\_\_\_\_
- d) \_\_\_\_\_
- e) \_\_\_\_\_
- f) \_\_\_\_\_
- g) \_\_\_\_\_
- h) \_\_\_\_\_
- i) \_\_\_\_\_
- j) \_\_\_\_\_
- k) \_\_\_\_\_
- l) \_\_\_\_\_
- m) \_\_\_\_\_
- n) \_\_\_\_\_

- 1) In which structure are sperm produced?
- 2) Please list in order the structures through which semen pass when leaving the body.
- 3) List all structures that contribute to the production of semen.
- 4) Can urine and semen flow at the same time? Explain.

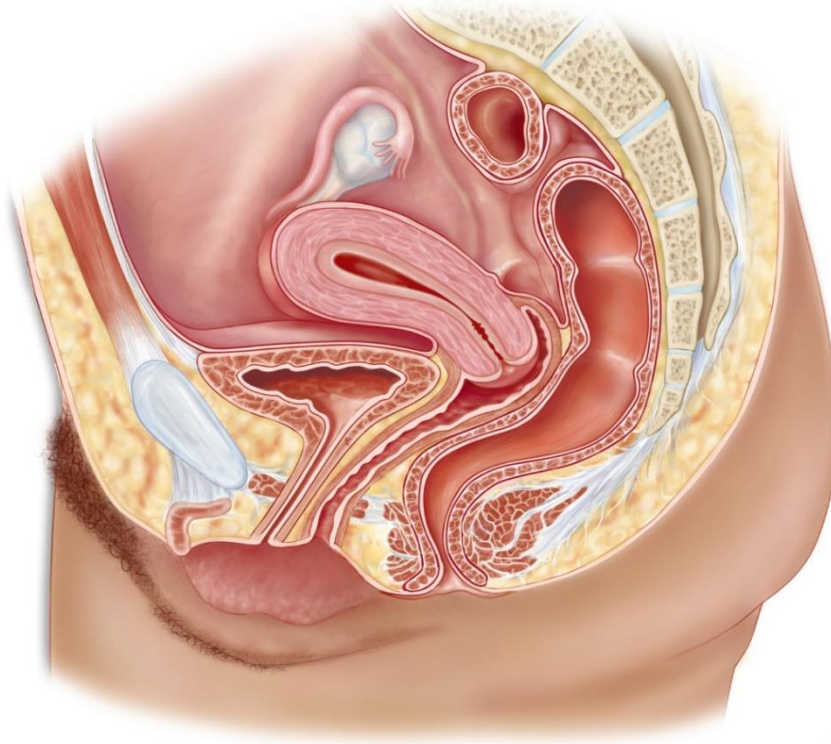
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## B. Female reproductive anatomy

Label the diagram of the female reproductive system with the appropriate lines and letters referring to the list given below.

a. vagina	b. fimbriae	c. labia majora
d. glans clitoris	e. oviduct	f. urethra
g. vaginal orifice (opening)	h. ovary	i. pubic bone
j. labia minora	k. cervix	l. rectum
m. urinary bladder	n. anus	o. uterus

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- 1) Where does oogenesis occur?
- 2) What is the main structure that makes estrogen?
- 3) What is the main structure that makes progesterone?
- 4) What do the fimbriae do?
- 5) What does the clitoris compare to in the male?
- 6) Where does the menstrual flow come from?

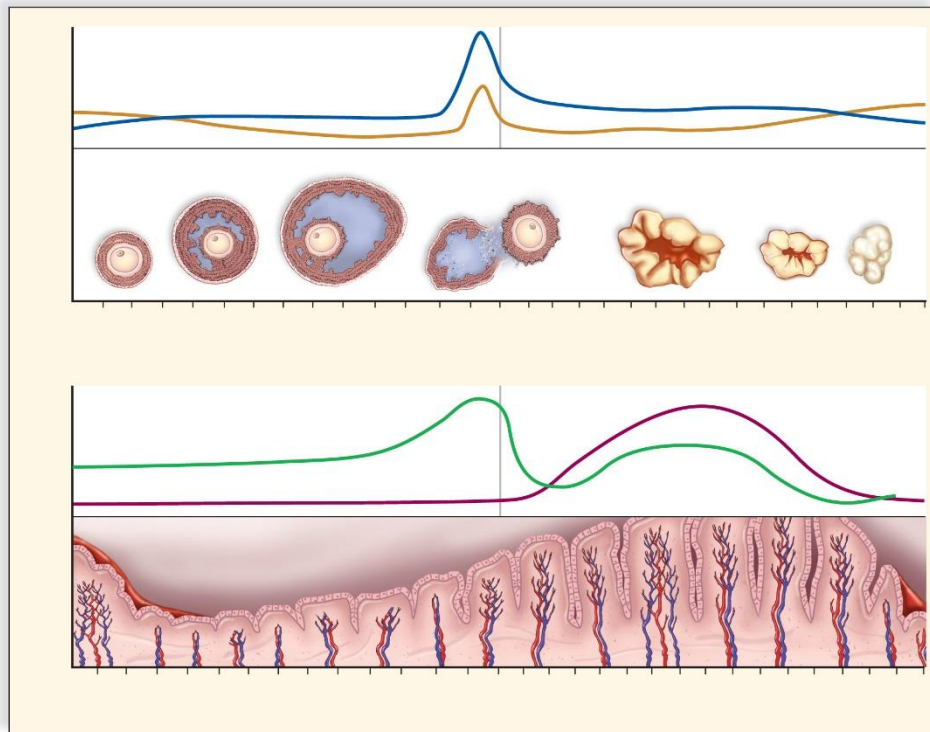
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## C. Female reproductive cycle

Label the diagram of the female reproductive cycle with the appropriate lines and letters referring to the list given below. Also number days 1, 14, and 27 at the bottom. Some of the labels will need to be used more than once.

a. hormone levels	b. ovarian cycle	c. uterine cycle
d. estrogen	e. progesterone	f. ovulation
g. corpus luteum	h. follicle	i. oocyte
j. menstruation	k. follicular phase	l. luteal phase
m. LH	n. endometrium	o. proliferative phase
p. secretory phase	q. FSH	

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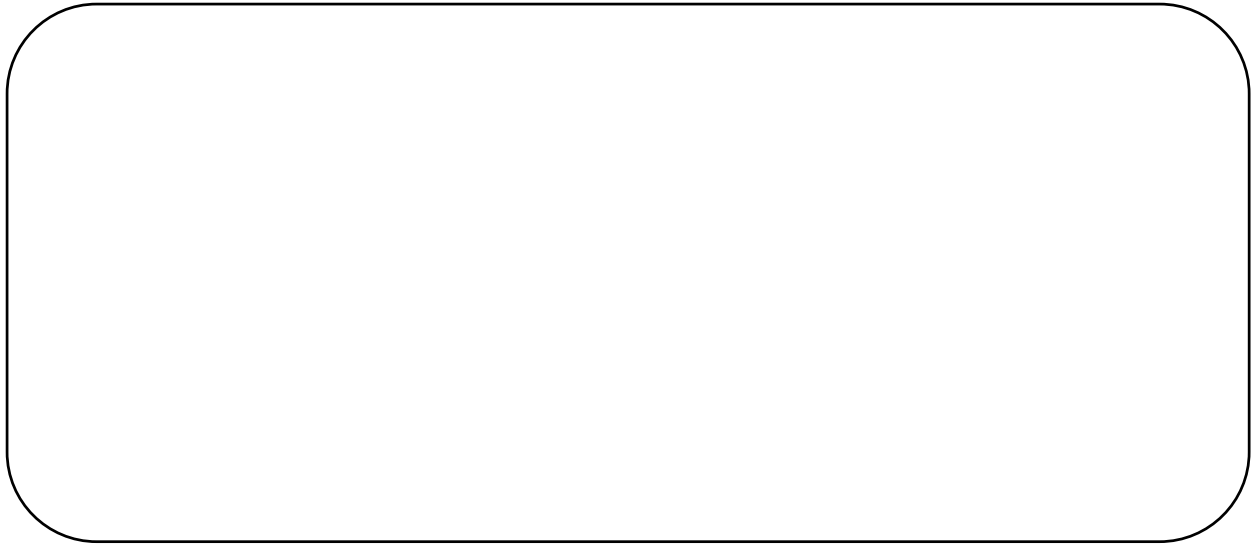


1. During the luteal phase, which structure, in the ovary, secretes the prominent hormone?
2. And what is the name of the hormone?
3. Which hormone causes the follicle to develop?
4. What is the name of this phase in the ovary?

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### D. Drawing

Draw an ovary. Label the primary, secondary and mature follicles.



Draw a seminiferous tubule of the testis. Label sperm (and their tails) and spermatogonia

