

LABORATORY NO. 18.

REPRODUCTIVE SYSTEM

Scope of Laboratory Activity

This laboratory activity consists of three (3) worksheets:

- Worksheet no. 1 Structures of the male and female reproductive system
- Worksheet no. 2 Processes in Reproductive System
- Worksheet no. 3 Hormonal Control/Regulation of Reproductive System

Overview

The reproductive system is a body system whose function is to producing offspring. Although different from a male and a female, its components and processes should be fully understood in order to fulfill its ultimate function and to obtain overall wellbeing.

Objectives

After completing this exercise, you should be able to:

1. Identify the main components of the male and female reproductive systems.
2. Understand the hormonal control of the menstrual cycle.
3. Describe the relationship between estrogens, progesterone, and gonadotropins during the menstrual cycle

Materials

None

Worksheet No. 1 Structures of the male and female reproductive system

Recall the structures of reproductive organs and correctly label the figures below in the space provided

Female

a.

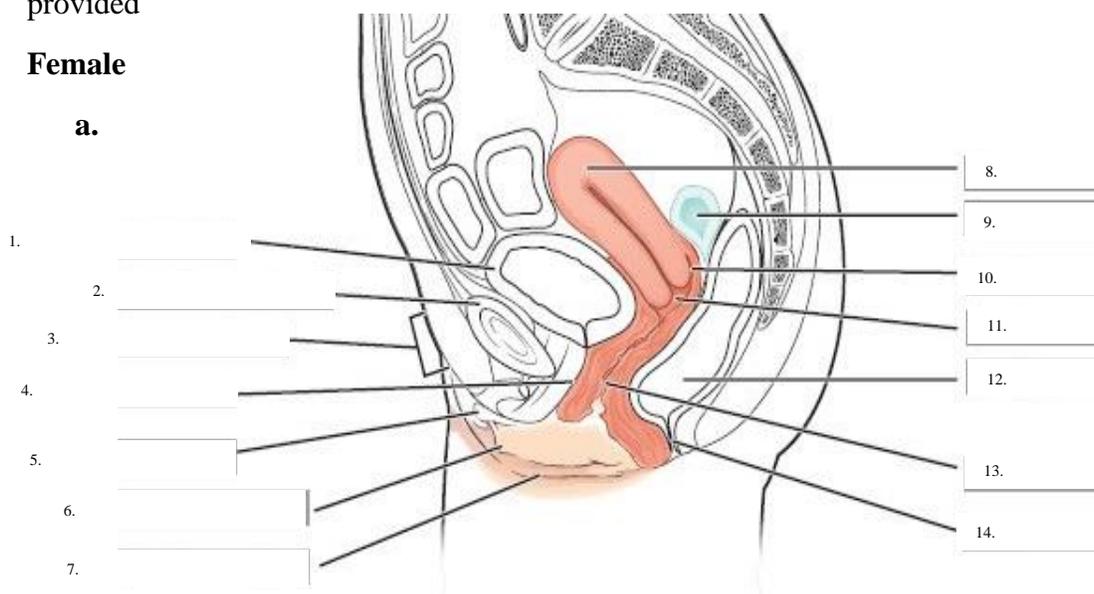
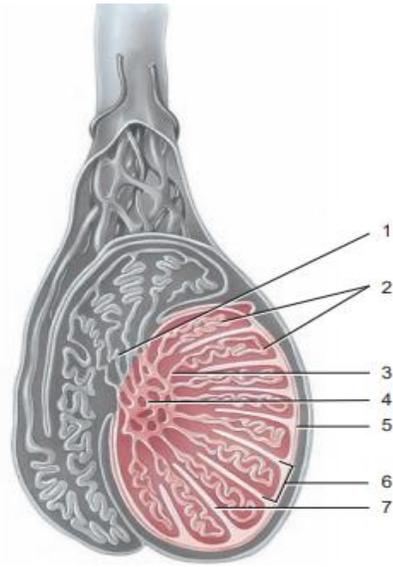


Figure 18.1a Lateral view of Female Reproductive System

2.



1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____

Figure 18. 3 Sagittal section of the testis.

Worksheet No. 2 Processes in Reproductive System

A. Label the figure and explain briefly the events happening in spermatogenesis in the space provided.

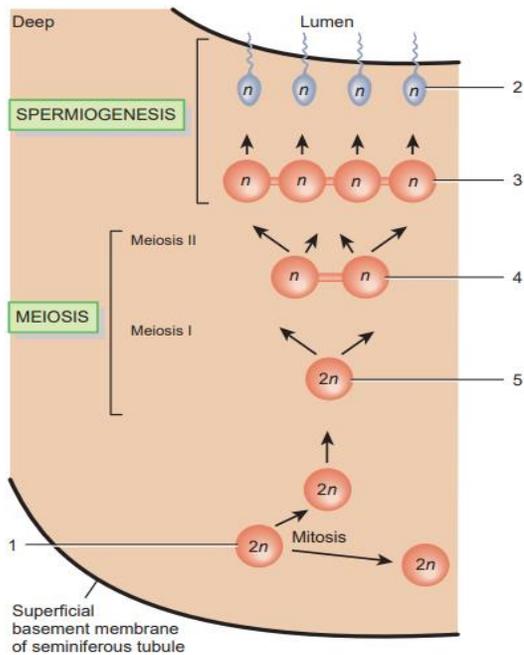


Figure 18.4 Process of Spermatogenesis

B. Label the figure and explain briefly the events happening in oogenesis in the space provided.

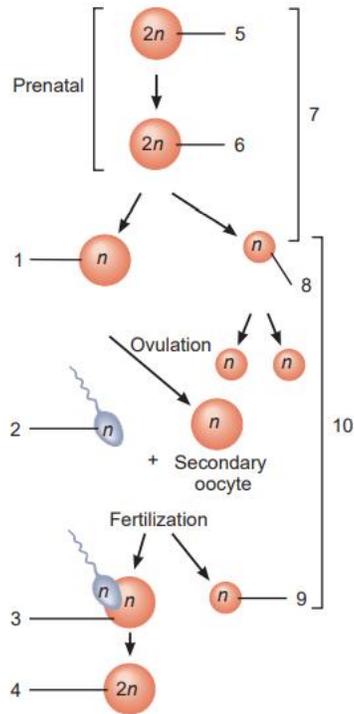


Figure 18. 5 Process of Oogenesis

LABORATORY EXERCISE No. 1.HORMONAL CONTROL/REGULATION OF REPRODUCTIVE SYSTEM

Enumerate the phases of menstrual cycle and explain briefly

References

J. Gordon Betts, Young, K. A., Wise, J. A., Johnson, E., Poe, B., Kruse, D. H., Korol, Oksana , Johnson, J. E., Womble, Mark , & DeSaix, P. (2013, April 25). *Anatomy and Physiology*. Houston, Texas: OpenStax, c2020 CC License 4.0 license.

Allen, C. & Harper, V. (2009). *Laboratory Manual for Anatomy and Physiology*. 3rd ed. Hoboken, NJ: John Wiley & Sons, Inc, c2009