

Section 39–3 The Reproductive System (pages 1009–1015)



TEKS FOCUS: 10A Function of the reproductive system; 11B Role of microorganisms in causing disease

This section explains the roles of the male and female reproductive systems. It also describes the four phases of the menstrual cycle.

Sexual Development (pages 1009–1010)

1. Circle the letter of each sentence that is true about sexual development before birth.
 - a. Testes and ovaries begin to develop during the first six weeks.
 - b. Male and female reproductive organs develop from the same tissues in the embryo.
 - c. The testes produce testosterone, and the ovaries produce estrogen.
 - d. Hormones determine whether the embryo will develop into a male or a female.

2. What is puberty? _____

3. How does the hypothalamus begin puberty? _____

The Male Reproductive System (pages 1010–1011)

4. Is the following sentence true or false? The release of FSH and LH stimulates cells in the testes to produce testosterone. _____
5. Circle the letter of each term that refers to a structure of the male reproductive system.
 - a. testes
 - b. Fallopian tube
 - c. vas deferens
 - d. urethra

6. The testes are contained in a sac called the _____.

7. Why do the testes remain outside the body cavity? _____

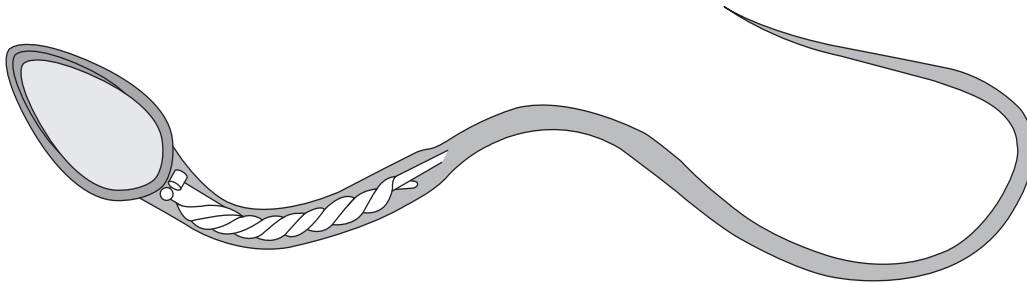
8. Is the following sentence true or false? Sperm are produced in the vas deferens.

9. The structure in which sperm fully mature and are stored is the _____.

10. The tube that leads to the outside of the body through the penis is the

_____.

11. Label the drawing of a sperm with the following structures: head, nucleus, midpiece, and tail.



12. A nutrient-rich fluid called seminal fluid, when combined with sperm, forms _____.

The Female Reproductive System (pages 1011–1012)

13. Circle the letter of each choice that is a structure of the female reproductive system.
- a. ovary
 - b. epididymis
 - c. uterus
 - d. vagina
14. Is the following sentence true or false? The ovaries usually produce only one mature ovum each month. _____
15. Clusters of cells surrounding a single egg are called primary _____.
16. The hormone that stimulates a follicle to grow and mature each month is _____.
17. Is the following sentence true or false? Fertilization takes place in the uterus. _____

The Menstrual Cycle (pages 1013–1014)

18. Circle the letter of each sentence that is true about the menstrual cycle.
- a. It lasts an average of 3 to 7 days.
 - b. It is controlled by hormones.
 - c. It prepares the uterus to receive an egg.
 - d. It has four phases.
19. Is the following sentence true or false? The level of estrogen falls at the start of the follicular phase of the menstrual cycle. _____
20. During the luteal phase, the follicle turns yellow and is now known as the _____.

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21. Is the following sentence true or false? The chances that an egg will be fertilized are the greatest during the first two days of the luteal phase. _____

Match each phase of the menstrual cycle with the event that occurs then.

Menstrual Phase	Event
_____ 22. Follicular phase	a. Egg travels through Fallopian tube.
_____ 23. Ovulation	b. Follicle develops.
_____ 24. Luteal phase	c. Lining of uterus is shed.
_____ 25. Menstruation	d. Egg is released from ovary.

26. What triggers menstruation to occur? _____

27. Is the following sentence true or false? A new cycle begins with the last day of menstruation. _____

Sexually Trasmitted Diseases (page 1015)

28. Diseases spread from one person to another during sexual contact are known as _____.