

SECTION 51-1 REVIEW

MALE REPRODUCTIVE SYSTEM

VOCABULARY REVIEW Define the following terms.

1. semen _____

2. testes _____

3. ejaculation _____

4. seminiferous tubules _____

5. epididymis _____

MULTIPLE CHOICE Write the correct letter in the blank.

- _____ 1. A human sperm
 - a. does not have a nucleus.
 - b. has the haploid number of chromosomes located in the midpiece.
 - c. has a small amount of cytoplasm.
 - d. All of the above
- _____ 2. The vas deferens connects the epididymis to the
 - a. seminal vesicles.
 - b. bulbourethral glands.
 - c. urethra.
 - d. seminiferous tubules.
- _____ 3. The prostate gland is important to the
 - a. proper functioning of the scrotum.
 - b. completion of meiosis.
 - c. ejaculation of normal semen.
 - d. maturation of sperm.
- _____ 4. After sperm move through the vas deferens, they enter the
 - a. seminal vesicles.
 - b. urinary bladder.
 - c. urethra.
 - d. All of the above
- _____ 5. A sperm tail consists of
 - a. a nuclear envelope.
 - b. enzymes used to penetrate an egg.
 - c. mitochondria.
 - d. a flagellum.

SHORT ANSWER Answer the questions in the space provided.

1. Describe the path that sperm take in leaving the body. _____

2. Describe the composition of semen. _____

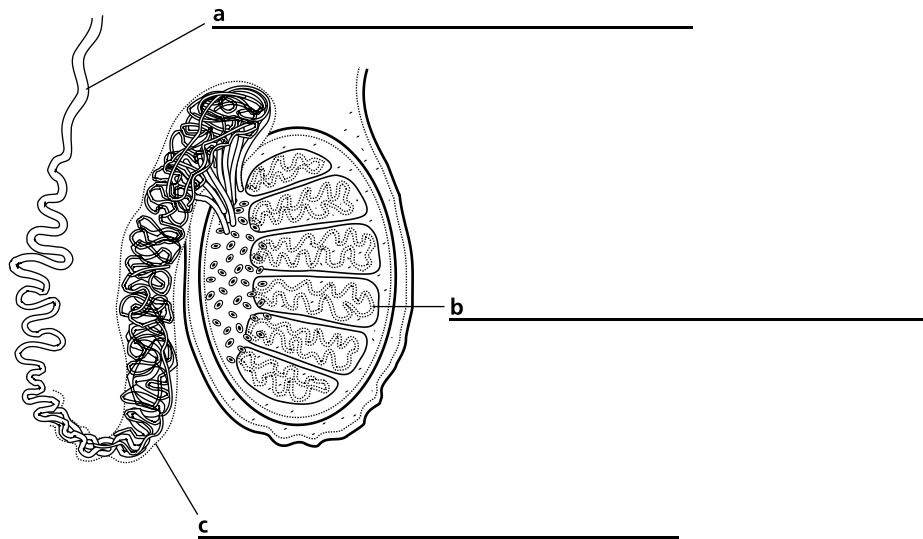
3. Describe two differences between seminiferous tubules and the vas deferens. _____

4. How is the structure of a sperm suited for fertilization? _____

5. **Critical Thinking** Is there an advantage for cells that secrete androgens (particularly testosterone) to be located within the testes instead of in other areas of the body? Explain your answer.

STRUCTURES AND FUNCTIONS Use the figure below to answer the following questions.

1. Label each part of the figure in the spaces provided.



2. For each labeled structure, indicate whether sperm would be immature or mature. _____

