

## CHAPTER REVIEW

A. Answer the following multiple-choice questions by circling the most correct answer.

1. The urogenital organs that function in the formation of urine are the
  - a. urethra
  - b. kidneys
  - c. spleen and thymus
  - d. ureters and urinary bladder
2. Organs that have a different structure between males and females are
  - a. called sexually dimorphic
  - b. the ureters
  - c. the kidneys
  - d. the urinary bladder
3. The blood becomes filtered, water is reabsorbed, and excess ions are secreted within
  - a. the gonads
  - b. nephrons
  - c. the renal pelvis
  - d. ureters
4. Renal pyramids may be found within the
  - a. renal capsule
  - b. renal medulla
  - c. renal cortex
  - d. renal pelvis
5. From the ureters, urine flows into the
  - a. urinary bladder
  - b. renal pelvis
  - c. urethra
  - d. kidneys
6. In the female cat, the urethra opens to the exterior as the
  - a. vagina
  - b. urogenital orifice
  - c. urinary meatus
  - d. urethral orifice
7. The dorsal part of each testis is an arrangement of tightly coiled tubules known as the
  - a. vas deferens
  - b. seminal vesicles
  - c. epididymus
  - d. spermatic cord
8. Near the neck of the bladder, the vas deferens passes with its counterpart from the opposite side to the
  - a. epididymis
  - b. prostate gland
  - c. seminal vesicles
  - d. ureter
9. As the female gonads, the \_\_\_\_\_ produce the female gametes called ova.
  - a. testes
  - b. uterus
  - c. ovaries
  - d. fallopian tubes
10. The distal end of the uterus is slightly tapered, forming the \_\_\_\_\_, which unites with the vagina.
  - a. vas deferens
  - b. cervix
  - c. uterine cavity
  - d. vestibule

B. Complete the sentences below by providing the missing terms from the chapter material.

1. Urine formation occurs in the kidneys, at the site of functional subunits called \_\_\_\_\_.
2. The \_\_\_\_\_ is a membrane-lined basin in the center of each kidney, which unites with the mucous membrane lining the ureter.
3. The three openings into the urinary bladder form an internal triangle known as the \_\_\_\_\_.
4. The \_\_\_\_\_ is the duct that transports urine from the urinary bladder to the exterior of the body.
5. The integumentary sac that hangs below the pelvic wall and contains the testes is called the \_\_\_\_\_.
6. The coiled tubules within the testes, where spermatozoa are produced, are called \_\_\_\_\_.
7. The ductus epididymus continues as a tube of larger diameter known as the \_\_\_\_\_.
8. Each ovary is supported to the dorsal body wall by the \_\_\_\_\_.
9. The uterus of the cat includes two \_\_\_\_\_, right and left, that begin as continuations of the uterine tubes.
10. The \_\_\_\_\_ is the exterior opening from the urogenital sinus in the female cat, which is common to the urinary and reproductive systems.

C. Answer the following descriptive and critical-thinking questions with a brief explanation in the spaces provided.

1. Describe the functional importance of nephrons and where they are located. \_\_\_\_\_

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2. Trace the pathway of spermatozoa during an ejaculation. \_\_\_\_\_

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3. Compare and contrast the vulva of a cat and a human. \_\_\_\_\_

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