Please refer to your lecture notes and textbook for help in answering the following questions.

1. The gonads of the male reproductive system are the _____________________.
2. Semen is a mixture of accessory gland secretions and _____________________.
3. How many masses of erectile tissue can be found in the penis? ______
4. The glans penis is composed of corpus ____________________ erectile tissue.
5. The exocrine function of the male gonads is the production of _____________________.
6. The endocrine function of the male gonads is the production of _____________________.
7. In addition to seminal fluid volume, an important contribution from the seminal vesicle is ____________________ which acts to __________________ sperm.
8. The pouch that supports the testes is called the ________________________.
10. The passageway for both semen and sperm is the ___________________________.
11. The duct system for the exocrine function of the male reproductive system is described as follows: epididymisÆÆÆout
12. A vasectomy has NO effect on hormone production.  T or F
13. Circumcision involves the surgical removal of the ______________ which covers the glans.
14. Erection involves the dilation of ___________ (BV type) and the compression of ___________ (BV type) resulting in the engorgement of erectile tissues in the penis.
15. Spermatogenesis and spermiogenesis occur in this structure ____________________
16. Ejaculation involves ___________ contractions of ___________ muscle in the ducts and accessory glands.
17. Newly produced sperm develop mobility (ability to swim) in this structure.
18. In spermatogenesis, one spermatogonium containing 46 chromosomes becomes _____ sperm cells containing _____ chromosomes.
19. The acrosome capping the head of the sperm contains _____________________.
20. The “power pack” middle piece contains many _____________________________.
21. The interstitial cells of the testes are stimulated by ___________ hormone from the anterior _____________ gland to produce the male sex hormone _________.

Biology 9
Male Reproductive System HW
Dr. J. Lim
Biology 9  
Male Reproductive System HW KEY  
Dr. J. Lim

Please refer to your lecture notes and textbook for help in answering the following questions.

1. The gonads of the male reproductive system are the **testes**.
2. Semen is a mixture of accessory gland secretions and **sperm cells**.
3. How many masses of erectile tissue can be found in the penis? **Three (3)**
4. The glans penis is composed of **corpus spongiosum** erectile tissue.
5. The exocrine function of the male gonads is the production of **sperm**.
6. The endocrine function of the male gonads is the production of **testosterone**.
7. In addition to seminal fluid volume, an important contribution from the seminal vesicle is **fructose** which acts to **nourish and activate** sperm.
8. The pouch that supports the testes is called the **scrotal sac**.
   **Transport medium, nutrients, chemical protection**
10. The passageway for both semen and sperm is the **urethra**.
11. The duct system for the exocrine function of the male reproductive system is described as follows: epididymis → **vas deferens** → **urethra** → out
12. A vasectomy has NO effect on hormone production. **true**
13. Circumcision involves the surgical removal of the **prepuce (foreskin)** which covers the glans.
14. Erection involves the dilation of **arteries** (BV type) and the compression of **veins** (BV type) resulting in the engorgement of erectile tissues in the penis.
15. Spermatogenesis and spermiogenesis occur in this structure **seminiferous tubules**
16. Ejaculation involves **peristaltic** contractions of **smooth** muscle in the ducts and accessory glands.
17. Newly produced sperm develop mobility (ability to swim) in this structure. **epididymis**
18. In spermatogenesis, one spermatogonium containing 46 chromosomes becomes **four (4)** sperm cells containing **twenty-three (23)** chromosomes.
19. The acrosome capping the head of the sperm contains **enzymes**.
20. The “power pack” middle piece contains many **mitochondria**.
21. The interstitial cells of the testes are stimulated by **luteinizing** hormone from the anterior **pituitary** gland to produce the male sex hormone **testosterone**.