

## Male Reproductive System Study Questions

### 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 \_\_\_\_\_.
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 \_\_\_\_\_.
9. State three functions of semen.
  
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: epididymis → \_\_\_\_\_ → out
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 \_\_\_\_\_.

## **Male Reproductive System Study Questions KEY**

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*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**.
9. State three functions of semen.  
**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**.