

The worksheet below is adapted from

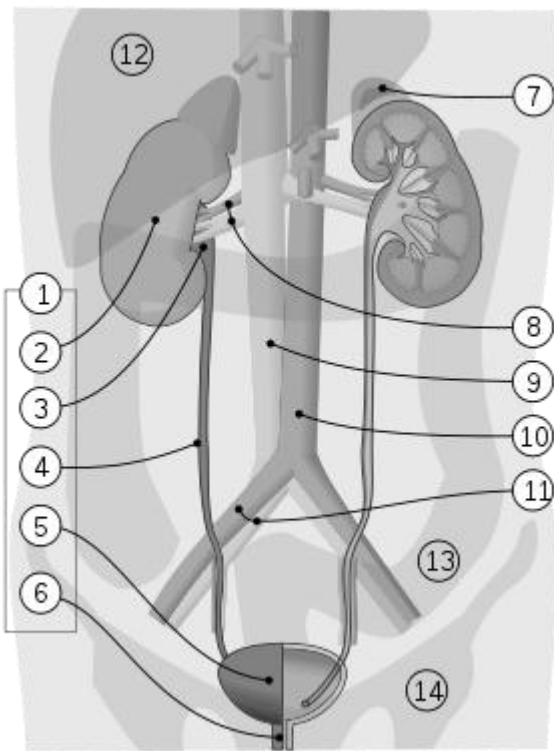
- A. Fundamentals of Anatomy and Physiology (9<sup>th</sup> Ed) by Martin et al
- B. Human Anatomy and Physiology Lab Manual (9<sup>th</sup> Ed) by Marieb and Mitchell

**The Urinary System**

1. The role of the urinary system is to \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



Name parts of the urinary system, 2-6:

2. \_\_\_\_\_

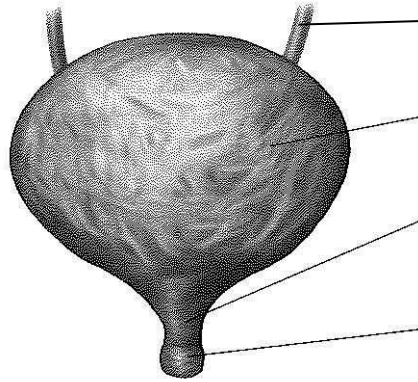
3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_

2. Fill in the blanks for the diagram below (bladder):



3. Discuss the role and location of the bladder \_\_\_\_\_

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4. Briefly describe the function and regulation of the detrusor muscle \_\_\_\_\_

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5. Briefly describe the function and regulation of the internal and external sphincters

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6. When the sphincters malfunction what type of problem would you expect to observe?

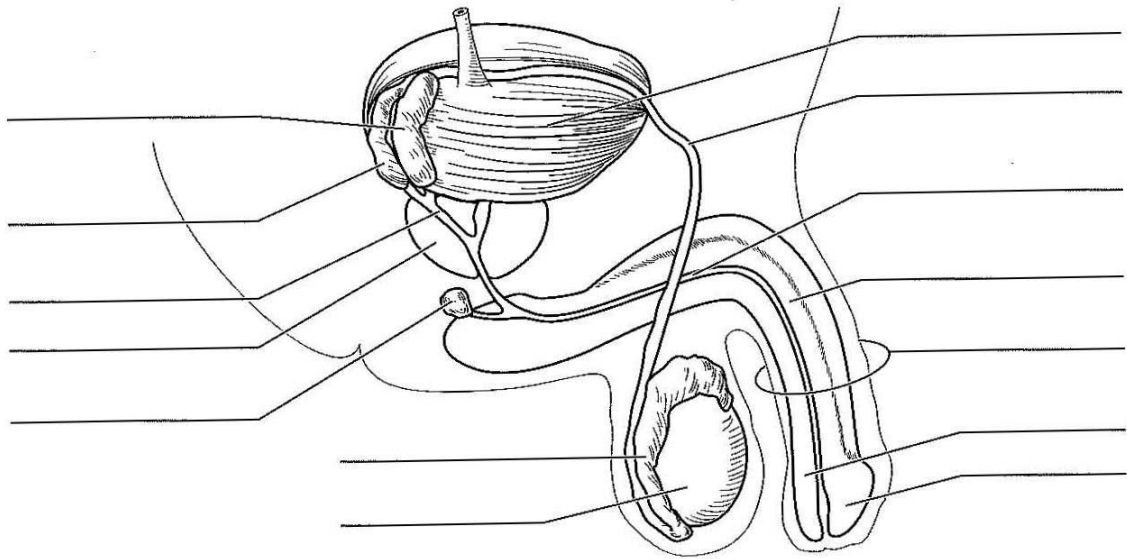
**The Male GU system**

7. The role of the male genitals is to \_\_\_\_\_

\_\_\_\_\_

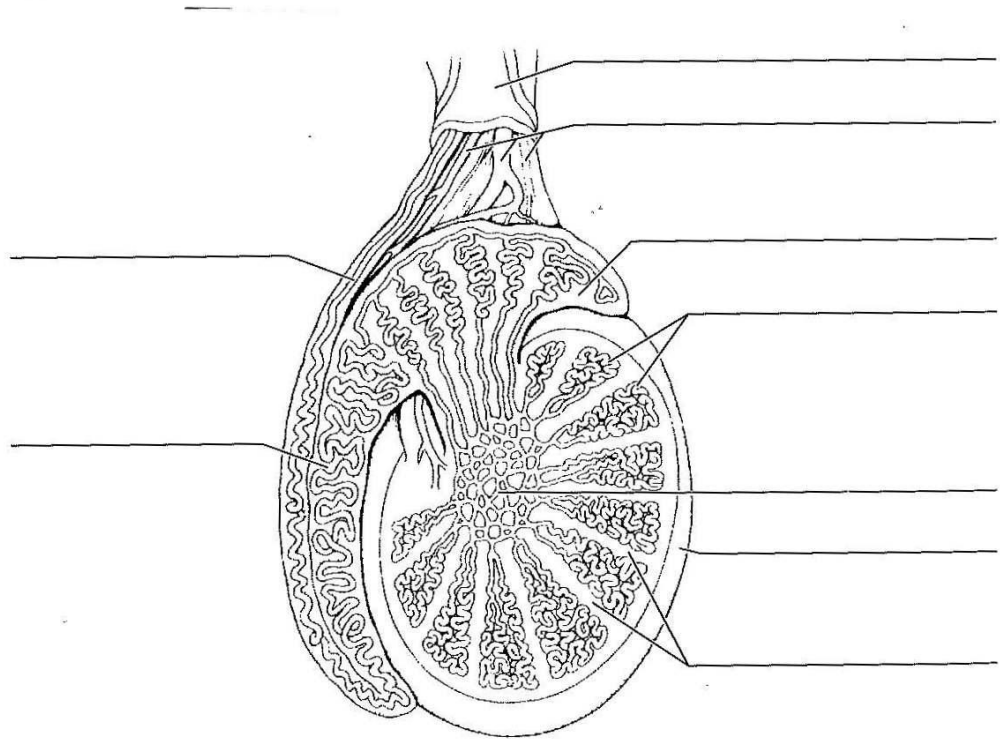
8. Fill in the blanks:

Reproductive organs of the human male (sagittal view)



9. Sagittal section of the human testis

Fill in the blanks:



10. List the 2 major functions of the testes \_\_\_\_\_

\_\_\_\_\_

11. What is the functional significance of the scrotum? \_\_\_\_\_

\_\_\_\_\_

12. What role does the epididymis play \_\_\_\_\_

\_\_\_\_\_

13. Place the structures labeled in questions 8 & 9 in the correct order in terms of the pathway sperm takes from testes to urethra

14. Name the accessory glands and state their role in production of semen.

a. \_\_\_\_\_

\_\_\_\_\_

b. \_\_\_\_\_

\_\_\_\_\_

c. \_\_\_\_\_

\_\_\_\_\_

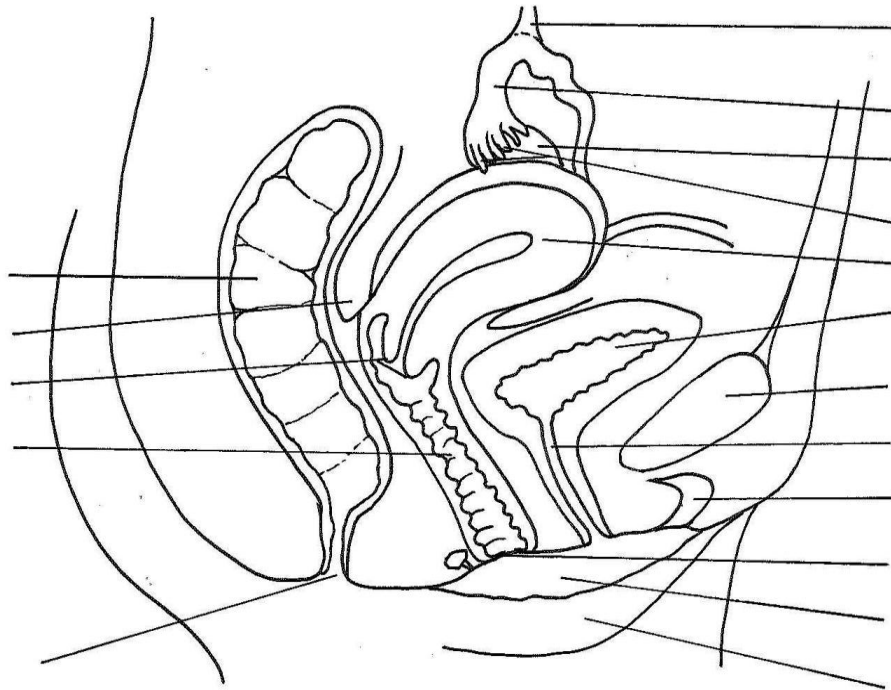
15. Name a disease associated with the male GU system.

**The Female GU system**

16. The role of the female genitals is to \_\_\_\_\_  
\_\_\_\_\_

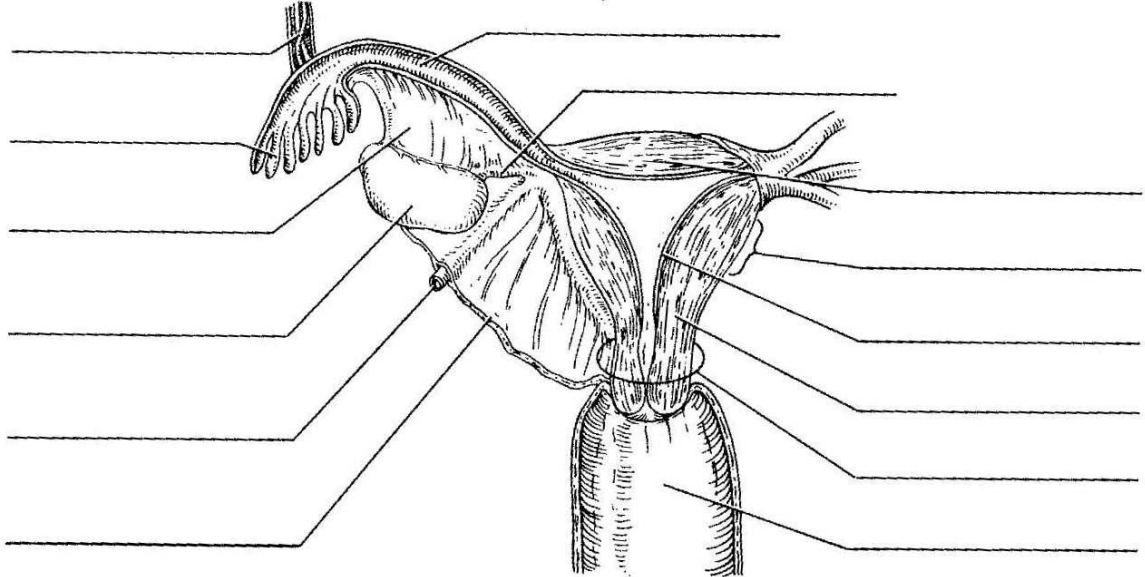
17. Fill in the blanks:

Reproductive organs of the female male (sagittal view)



18. Fill in the blanks:

Frontal section of a portion of the female reproductive system



19. Briefly describe the function of the following structures:

- a. Vagina \_\_\_\_\_
- b. Ovary \_\_\_\_\_
- c. Fimbriae \_\_\_\_\_
- d. Fallopian tubes \_\_\_\_\_
- e. Uterus \_\_\_\_\_
- f. Ligaments \_\_\_\_\_

20. Name and briefly describe the 3 stages of the menstrual cycle:

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21. The menstrual cycle is hormonally controlled by 2 hormones called \_\_\_\_\_ and \_\_\_\_\_.

22. What is ovulation and how is it regulated? \_\_\_\_\_

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23. In what region of the female reproductive system does fertilization normally occur?

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24. What is an ectopic pregnancy? \_\_\_\_\_

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25. Name a disease associated with the female reproductive system.