




## **CHAPTER PRACTICE**

A. Multiple Choice: Choose the best answer.

1. Urine formation is processed in the kidney by filtering blood when it passes through the renal corpuscles. Which are the two parts that make up the renal corpuscle of the kidney?


- A. PCT and DCT
- B. glomerulus and Bowman's capsule
- C. ascending and descending loop of Henle
- D. straight collecting tubule and DCT

2. Which of the following is paired correctly?

- A. Planaria - Malpighian tubule
- B. Earthworms - 
- C. arthropods - 
- D. vertebrates - 

3. You are fasting for a prolonged period of time. What do you expect y 

- A. fats
- B. salts
- C. ketones
- D. glucose


4. Antidiuretic hormone affects the volume of urine excreted from the body. In what part of the 

- A. PCT
- B. DCT
- C. straight collecting duct

D. loop of Henle

5. What will be in the urine if you have been starving for a long time with only intakes of water to survive?

A. increased amount of 

B. increased amount of 

C. decreased amount of 

D. decreased amount of 

6. Which of the following is not included in the process of excretion?

A. Diffusion

B. Reabsorption

C. Filtration

D. Expulsion of waste

7. Which of the following shows the order of the tubes where filtrate will pass to excretion?

A. PCT → DCT → Loop of Henle → collecting ducts

B. DCT → Loop of Henle → collecting ducts → PCT

C. loop of Henle → collecting ducts → PCT → DCT

D. PCT → loop of Henle → collecting duct

8. A protonephric kidney is observable in the following EXCEPT

- A. hagfishes
- B. annelids
- C. apodans
- D. insects

9. Urinary bladder is a bag that temporarily stores urine before expulsion. This is usually part of the excretory system of animals that are endangered of dehydration. Among the following vertebrate animals does \_\_\_\_\_ have a urinary bladder?

- A. turtles
- B. humans
- C. fishes
- D. reptiles

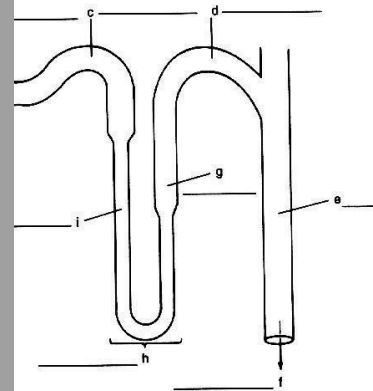
10. Which of the parts of the \_\_\_\_\_ reabsorbs approximately 80% of the glomerular filtrate?

- A. PCT
- B. loop of Henle
- C. DCT
- D. straight collecting duct

**Open-Ended Question**

B. Answer the following questions

1. What is the relationship between the habitat of an animal and the form of nitrogenous wastes it excretes? Name the group of animals and their waste product.
2. What processes in the urinary system in humans do you think directly relates to the maintenance of homeostasis or balance in the body? Identify the process and give the reason why it is significant.
3. Label the diagram shown. using arrows indicate direction of fluids in the process of production of urine. Discuss the substances that are absorbed and reabsorbed along the tubule.



**Authentic/Performance Based Assessment:**

Make an infographics that introduce the structure and function of the urinary system. How to take care of the system include personal hygiene and diet in the discussion.

Launch this infographics and have the recipients provide feedback.