

**Study Guide: The Urinary System**

1. List the **4 main structures** of the urinary system and describe the function of each.

**Kidneys-**

**Ureters-**

**Bladder-**

**Urethra-**

2. Trace the **blood flow** through the kidney starting with the renal artery and ending with the renal vein. Fig.25.4

3. In general terms explain the **innervation** of the urinary system. (What division controls it?)

4. The **nephron is the structural and functional unit of the urinary system**. Trace the pathway of urine formation through the nephron beginning with the Bowman's capsule and ending with the urethra. Using Fig 25.3b and Fig 25.5

5. What type of epithelium is present on the urinary bladder? What is its function?
  
6. Define **Micturition:**  
**Incontinence:**
  
7. List the structural differences between the male and female urethra-
  
8. What is the function of the hormone renin? What stimulates its release from the kidney?
  
9. What endocrine gland is located on the top of each kidney?
  
10. Be able to label Fig 25.4 and Fig.25.5
  
11. Kidney and adrenal glands are retroperitoneal. (outside, behind the peritoneum)