

### The Urinary System: Anatomy Review

- Name the organs in the urinary system:
  - \_\_\_\_\_
  - \_\_\_\_\_
  - \_\_\_\_\_
  - \_\_\_\_\_
- The kidneys are \_\_\_\_\_ (behind the peritoneum) lying against the dorsal body wall in the upper abdomen.
- The \_\_\_\_\_ gland sits atop the kidneys. Blood vessels enter and leave the kidney at the renal \_\_\_\_\_.
- The functional units of the kidney are the \_\_\_\_\_. They are called \_\_\_\_\_ if they are located mainly in the cortex. They are called \_\_\_\_\_ if they are located in both the cortex and medulla.
- Blood enters the kidney through the \_\_\_\_\_ artery. The artery branches into smaller and smaller arteries and arterioles. Complete the sequence below:  
\_\_\_\_\_ arteriole → \_\_\_\_\_ capillaries → \_\_\_\_\_ arteriole → \_\_\_\_\_ capillaries and vasa recta
- Complete the sequence below showing all parts of the nephron:  
Bowman's Capsule → \_\_\_\_\_ convoluted tubule → \_\_\_\_\_ (both descending and ascending limb) → \_\_\_\_\_ convoluted tubule → \_\_\_\_\_ (both cortical and medullary sections)
- The renal corpuscle consists of two parts: \_\_\_\_\_ capillaries and \_\_\_\_\_. A portion of the plasma is filtered into the capsular space due to the hydrostatic pressure of the blood.
- The filtration membrane consists of: