

Name: \_\_\_\_\_ **Due date:** \_\_\_\_\_ Period: \_\_\_\_\_

Grade: \_\_\_\_\_

### Urinary System Chapter Notes

Instructions: Bring this handout to class and use it to take notes during reading/class lecture and discussion. **Your grades will be for completion of the following questions in this handout and wkbk pages 338-347 only.**

- A. Excretion (Table 21-1)
1. Organs of excretion
    - a. Kidneys (most important excretory system)
      - Excrete \_\_\_\_\_ waste, water, electrolytes, toxins and \_\_\_\_\_
      - Fine tunes the excretion of water and electrolytes to maintain the normal volume and composition of body fluids
    - b. Skin (sweat glands)
    - c. Lungs
    - d. Intestines
  2. The Urinary system: \_\_\_\_\_, temporarily stores it, and \_\_\_\_\_ it from the body  
Urinary system organs (Figures 21-1, 21-6)
    - a. Kidneys (2)
    - b. Ureters (2)
    - c. Urinary bladder (1)
    - d. Urethra (1)
  3. Urinary system terminology (**briefly define the following terms**)
    - a. Renal
    - b. Nephrology
    - c. Urology
- B. Kidneys
1. Location
    - a. High on posterior wall of the \_\_\_\_\_
    - b. Retroperitoneal
    - c. Connective tissue and adipose fat (holds and cushions the kidney)  
**\*\*what causes the kidneys to float?**
  2. Structure (Figure 21-1)

A reddish brown \_\_\_\_\_ structure enclosed in a tough fibrous capsule. The Hilus (an indentation) is the point where blood vessel, ureter, and nerves enter or exit the kidney. The kidney has \_\_\_\_\_ distinct regions: the renal cortex, \_\_\_\_\_ and the renal pelvis)

    - a. Renal cortex (**cortex means bark or outer layer**)
      - i. Outer region
      - ii. Projects to the inner region as the renal columns that separate the \_\_\_\_\_
    - b. Renal medulla
      - i. Inner region
      - ii. Renal pyramids
      - iii. \_\_\_\_\_ collect urine from the pyramids and empty it into the renal pelvis
    - c. Renal pelvis
  3. Blood supply
    - a. Supplied by the \_\_\_\_\_ (from the aorta)
    - b. Drained by renal \_\_\_\_\_ (→ inferior vena cava)