Biology 12: Prereading activity NAME:

Chp.16. and Chp. 16.2

**“U – R” ABOUT TO LEARN ABOUT THE:**

**URINARY SYSTEM**

**TASK: Read pages 304 to 309 and answer the following questions**

1. What are the primary organs of excretion?
2. Define excretion. How does excretion and defecation differ?
3. List and describe the four functions of the kidneys to maintain homeostasis.
4. For each of the following organs, list the function and describe its structure:

|  |  |  |
| --- | --- | --- |
| **Organ** | **Structure** | **Function** |
| **Kidney** |  |  |
| **Ureter** |  |  |
| **Urinary Bladder** |  |  |
| **Urethra** |  |  |

1. What is another name for Urination and describe this process.
2. Draw a sketch of a cross section of a kidney and label the renal cortex, renal medulla, renal artery, renal vein and renal pelvis.
3. Name 5 parts of a nephron and briefly describe their function.
4. What are the 3 stages of urine formation?
5. What are the filterable components of the blood in the glomerulus?
6. What are the non-filterable components of the blood in the glomerulus?
7. Why does tubular reabsorption have to occur?
8. What is reabsorbed?
9. What are 3 components that are **not** reabsorbed and continue to pass through the nephron to be further processed?
10. What molecules are added to the urine in tubular secretion?