NAME: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ DATE DUE: \_\_\_\_\_\_\_\_\_\_\_\_

TEACHER: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**/16**

**Year 9 Term 4 – Body Systems**

**HOMEWORK SHEET No. 5 – Learning Goal 5**

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|  | 1. Write a definition for each of the following terms: |
| /1 | (a) Excretion – |
| /1 | (b) Renal – |
| /1 | (c) Absorption - |
| /1 | (d) Urea - |
| /4 | 1. The table below lists the main parts of the Excretory system. Some of these parts have their function described beside their name, but some of the parts are missing a description of their function. Complete the missing parts of the table.  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | **Structure** | | **Functions** | | | | | **Renal Artery** | | Supplies blood from the heart to the kidneys. | | | | | **Kidney** | |  | | | | | **Urine**  **Blood** | | | | | | | **Structure** | **Functions** | |  |  |  | | **Ureter** |  | |  | **Renal Vein** | Collects blood from the kidneys to take back to the heart. | | **Bladder** |  | |  | **Vena Cava** | Returns filtered blood to the heart for circulation around the body. | | **Urethra** |  | |  |  |  | |

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| /5 | 1. Circle the most correct answer in the questions below 2. Excretion involves which of the following?    1. The large intestine eliminates solid wastes that remain after the digestion of food.    2. The lungs break down excess amino acids and toxins in the blood.    3. The liver eliminates excess water and salts in sweat.    4. The skin exhales water vapor and carbon dioxide. 3. The main function of the Excretory system is to    1. form urine.    2. remove excess water from the body.    3. filter waste products and excess water from the blood and excrete them from the body.    4. eliminate solid wastes that remain after the digestion of food. 4. The function of the kidney is to    1. eliminate excess water and salts.    2. filter blood and form urine.    3. excrete water vapour and carbon dioxide.    4. destroy excess amino acids and toxins in the blood. 5. Urine follows which of the following pathways?    1. kidneys, ureters, bladder, urethra.    2. kidneys, bladder, ureters, urethra.    3. bladder, kidneys, ureters, urethra.    4. kidneys, urethra, bladder, ureters. 6. The role of the kidneys in homeostasis includes which of the following?    1. The kidneys control the amount of water, ions, and other substances in the blood.    2. The kidneys secrete hormones that regulate other body processes.    3. The kidneys filter all the blood in the body many times each day.    4. all of the above |
| /3 | 1. Some people believe organs such as the heart and lungs and brains are the main organs in the body because you would instantly die if they stopped working. Could you live without your kidneys? Explain why the kidneys are important in maintaining a healthy body (keep it simple in 3 sentences or less) |