

Name: _____ Date: _____ Period: _____

Biology Homework 1-8.1 Circulatory and Excretory Systems

Use your **journal** as a reference tool in addition to the information provided below to answer the questions that follow.

The excretory system eliminates nonsolid wastes through exhalation, sweat, and urine. The main organs of the excretory system are the kidneys, ureters, urinary bladder, and urethra. The kidneys have one of the biggest roles in the excretory system. They remove waste products from the blood and help to regulate water content of the blood.

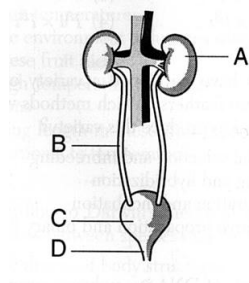
1. A series of blood tests are performed on a patient who is not feeling well. The doctor may determine the patient has an infection if -
 - a. there is an increase in red blood cells
 - b. there is a decrease in red blood cells
 - c. there is an increase in white blood cells
 - d. there is a decrease in white blood cells

2. Vocabulary. Match the following words with its correct definition.

_____ homeostasis
_____ circulatory
_____ excretory

- a. system that transports blood and nutrients
- b. balance, stability or equilibrium within the body
- c. system that removes wastes from the body

3. Label the diagram of the excretory system below using the following words: urethra, kidney, ureter, urinary bladder.



4. Explain the function of the excretory system.

5. Describe how the excretory and circulatory systems work together to maintain homeostasis in the body.