Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Class: \_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Excretory System WebQuest**

**Section 1**

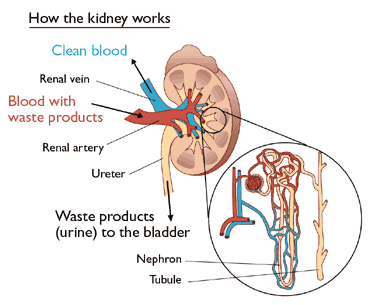
**Go to:** [**http://www.fi.edu/learn/heart/systems/excretion.html**](http://www.fi.edu/learn/heart/systems/excretion.html)

1. The process of \_\_\_\_\_\_\_\_\_\_ involves finding and removing \_\_\_\_\_\_\_\_ materials produced by the\_\_\_\_\_.
2. The primary organs of excretion are the \_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_, and \_\_\_\_\_\_\_\_\_\_.
3. \_\_\_\_\_\_\_ gases are carried by \_\_\_\_\_\_\_\_\_ traveling through the veins to the lungs where \_\_\_\_\_\_\_\_\_\_ takes place.
4. Dead cells and\_\_\_\_\_\_\_\_\_\_ are removed from the body through the skin which is part of the \_\_\_\_\_\_\_\_\_\_\_\_ system.
5. Liquid waste is removed from the body through the \_\_\_\_\_\_\_\_\_.
6. The kidneys are small (about 10 centimeters long) reddish-brown organs that are shaped like \_\_\_\_\_\_\_\_.
7. During \_\_\_\_\_\_\_\_\_\_\_, blood passes through the \_\_\_\_\_\_\_\_\_\_ in order to deposit used and unwanted \_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_, and a nitrogen-rich molecule called\_\_\_\_\_\_\_\_\_\_.
8. The kidneys \_\_\_\_\_\_\_\_\_\_\_ the wastes from the \_\_\_\_\_\_\_\_\_\_, forming a liquid called \_\_\_\_\_\_\_\_\_\_.
9. The kidneys funnel the urine into the \_\_\_\_\_\_\_\_\_\_ along two separate tubes called \_\_\_\_\_\_\_\_\_\_.
10. The bladder stores the urine until muscular \_\_\_\_\_\_\_\_\_\_\_\_\_\_ force the urine out of the body through the \_\_\_\_\_\_\_\_\_\_\_.
11. Each day, your kidneys produce about \_\_\_\_\_\_\_\_\_\_\_\_ of urine.
12. This occurs through the process of \_\_\_\_\_\_\_\_\_\_\_\_\_.
13. If your kidneys are \_\_\_\_\_\_\_\_\_\_\_\_\_ and not working properly, the buildup of toxic waste in your system will eventually lead to \_\_\_\_\_\_\_\_\_\_\_.

**Section 2**

**Go to:** [**http://www.medindia.net/animation/anatomy\_urinary.asp**](http://www.medindia.net/animation/anatomy_urinary.asp)

1. Each kidney is about the size of a human \_\_\_\_\_\_\_\_\_\_\_\_.
2. Label the diagram.



1. The specialized unit of the kidney is called the nephron, and its function is to produce \_\_\_\_\_\_\_\_\_\_\_\_\_ by filtering waste and extra fluid from the blood.
2. Blood enters the kidney through the renal \_\_\_\_\_\_\_\_\_\_\_\_\_ and passes into the nephron.
3. The bulk of the filtering takes place in the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
4. The filtered wastes then travel through the tubule where the excess fluid is converted to \_\_\_\_\_\_\_\_\_\_\_\_.
5. The urine reaches the renal pelvis and passes into the \_\_\_\_\_\_\_\_\_\_\_\_.
6. Next, it enters the urinary \_\_\_\_\_\_\_\_\_\_\_\_ to be stored until it is released via the \_\_\_\_\_\_\_\_\_\_\_\_\_\_.
7. Finally, the filtered blood leaves the kidney through the renal \_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**Section 3**

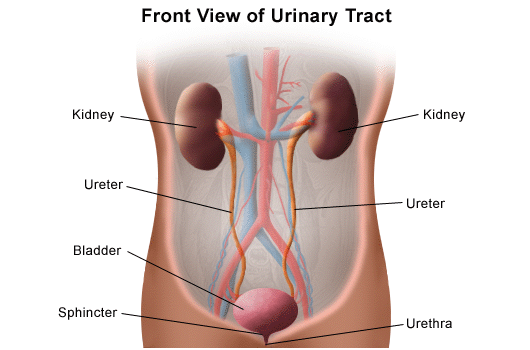
Go to: <http://www.kidney.org/atoz/content/dialysisinfo.cfm>

1. What is dialysis?
2. When is dialysis needed?
3. What does dialysis do?

**Section 4**

**Go to:** <http://medicalcenter.osu.edu/patientcare/healthcare_services/urinary_bladder_kidney/anatomy_urinary_system/pages/index.aspx>

**Label the diagram of the urinary system.**



1.

5.

2.

6.

3.

7.

4.

**What is the function of the following?:**

1. Kidneys - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Ureters - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. Bladder - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. Urethra - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Section 5**

**URINALYSIS:** <http://www.nlm.nih.gov/medlineplus/ency/article/003579.htm>

<http://www.webmd.com/a-to-z-guides/urine-test>

What does a urinalysis test for?

What does it mean if these things are found in your urine?

|  |  |
| --- | --- |
| 1. **Red Blood Cells** |  |
| 1. **Glucose** |  |
| 1. **Ketones** |  |
| 1. **Leukocytes/**   **White blood cells** |  |