

## Chapter 7: Excretion

**Def:** Excretion is the removal of wastes that are made in the body.

- The cells in our body produces waste when glucose and oxygen react together to produce energy.
- These wastes include **Water, Carbon Dioxide** and **Urea** (Urea is produced when protein is broken down by the liver.)

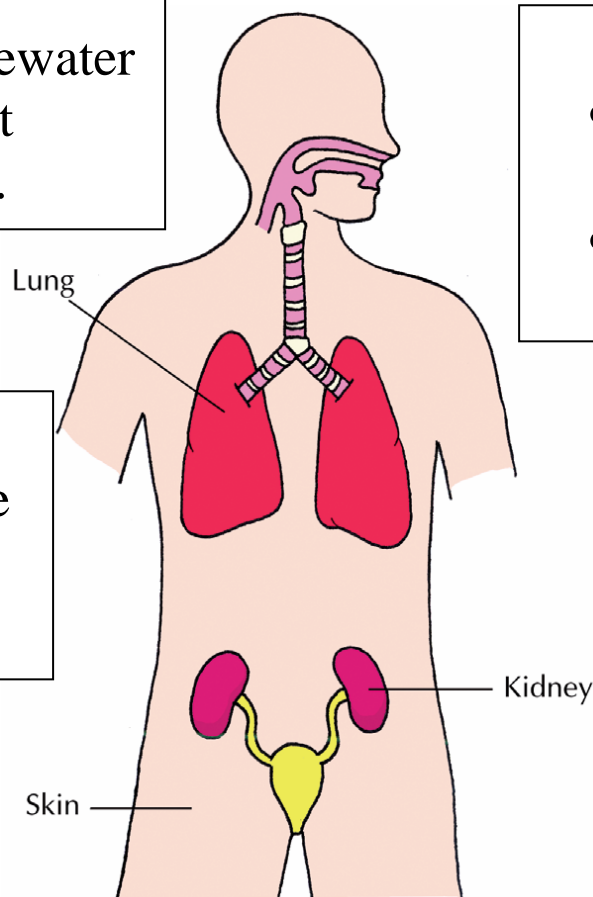
### The Excretory Organs.

#### Lungs

- Excretes water and CO<sub>2</sub>
- Test using limewater and blue cobalt chloride paper.

#### Skin

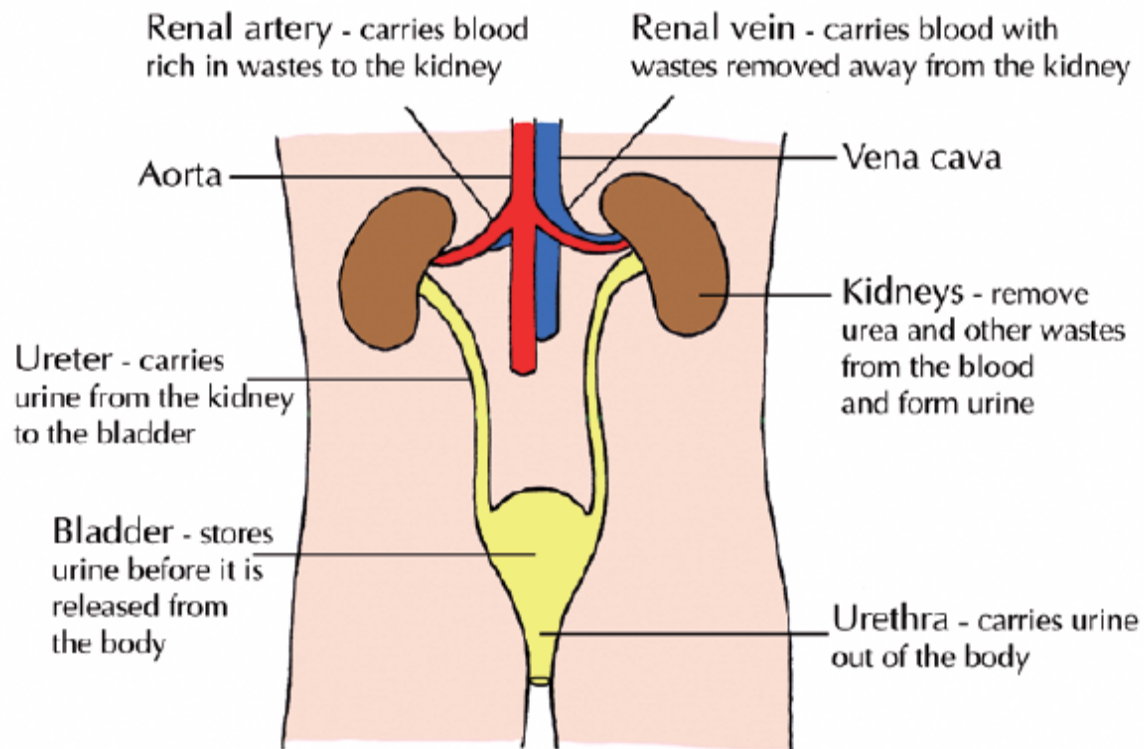
- Excretes Sweat (water and salt)
- Largest Excretory organ.



#### Kidneys

- Excretes urine (urea, water, salt)

# The Urinary System



- The Kidneys filter blood to remove the urea and salt in the form of urine.
- Also removes water from the blood if there's too much

## **How it works!**

- Blood travels from the aorta to the kidneys, gets filtered, travels in the ureter to the bladder for storage, then finally out of the body through the urethra.
- The filtered clean blood travels back to the heart through the vena cava.