

### 3. Nervous System

Consists of:

- Brain
- Spinal cord
- Nerves
- Sense organs

Function:

- To detect changes in the environment and to signal these changes to the body which then carries out a response.

### 4. Respiratory System

Consists of:

- Nasal cavity
- Trachea
- Lungs

Function:

- To control breathing, and exchange gases in lungs inhaling oxygen and exhaling carbon dioxide and tissues.

## 5. Excretory System

Consists of:

- Lungs
- Kidneys
- Urinary bladder

Function:

- To remove liquid and gas wastes from the body

## 6. Muscular System

Consists of:

- Muscle tissue connected to bones throughout the body.

Function:

- To work with the bones to move body parts

**Homeostasis** - your body systems makes constant adjustments to keep a stable internal environment for your cells.\

- done automatically

Ex) Body temp stays constant no matter the temp outside

Sweating

As we have read, in humans, blood is used to transport substances. 8% of an adult's weight comes from blood.

4 components of blood are:

1) Plasma - liquid portion that carries nutrients, waste products, hormones and blood cells

2) Red Blood Cells - carries oxygen, contain iron rich chemicals called hemoglobin (Attracts oxygen).

3) White blood cells - defend against diseases or infections

4) Platelets - cause blood to clot at sites of wounds