

## **cell (1)**

-basic unit of life

-where life happens

-needs water, food, waste disposal,  
and gas exchange

## **Circulatory System (2)**

uses blood, arteries, capillaries,

veins, and the heart to carry food,

water, and gases to cells, and carry

waste away

## **Heart (3)**

4 chambers

## **Right-side of the Heart (4)**

receives blood carrying  $\text{CO}_2$  waste & travels through the Respiratory System to get rid of waste & pick-up  $\text{O}_2$

**Left-side of the Heart (5)**  $\text{O}_2$  blood from the lungs enters the heart & travels around the body delivering & picking-up stuff

**Respiratory System (6)** brings  $\text{O}_2$  to the red blood cells & gets rid of  $\text{CO}_2$  using the trachea, lungs, bronchioles, and alveoli

**Energy (7)** cells need energy from food but the food you eat is not cell ready

The Digestive System changes food into cell nutrition

**Digestive System (8)** breaks down human food into cell food  
Mouth & teeth, esophagus, stomach, small intestine, large intestine, colon

## **Excretory System (9)**

cells produce waste and it is “dumped” into the blood. Kidneys act like filters for blood and the waste is removed through the bladder

## **Science Idea (10)**

Cell food is “given” to the blood through villi in the small intestines