You now know how your body gets the ___________________ it needs. But how do your body’s cells get the ___________________ they need?

The Parts of Your Digestive System

• Think of it as a ___________________ tube inside your body.

• Several different organs make up the tube, and each has its own job. Your ________________ is at the top (takes in food), & the anus is at the end (release waste).

• Organs that connect to form this digestive “tube”:
  1. mouth
  2. esophagus
  3. ___________________
  4. small intestine
  5. ___________________
  6. rectum
  7. anus

● Other important organs attached produce digestive juices. These organs are:
  1. salivary glands
  2. ___________________
  3. ___________________

● The ________________ ____________ stores the digestive juices the liver produces.

● Your body has ___________________ cells that help with digestion. __________ cells in your stomach produce an enzyme to break down proteins. This enzyme only works when an ___________________ is present.

● ___________________ cells are found next to chief cells. They produce an acid that “turns on” the enzymes from the chief cells.

Two Ways Food is Broken Down:

1. Chemical Digestion: enzymes change food into forms that are simple enough to pass into your ___________________.
   a. Enzymes are in saliva, in fluids in stomach, and ___________ intestine.

2. Physical Digestion: muscles in the digestive system break down food into smaller pieces. This also mixes in the ___________________.
   a. The muscles make a motion similar to kneading ___________________.

These two processes work ___________________.

Chapter 9 the Digestive System
What happens if your body can't use the food?

- Your _____________ intestine helps you get rid of parts of food your body can’t use.
- As undigested food moves through large intestine, water and ____________ are pulled from it and passed into the ________________.
- Enough water removed so a firm stool remains.
- Stool is stored in the __________________ until ready to be passed through the anus.
- Most of food passed through the large intestine is__________________.
  - Fiber comes from fruits, _________________, and grains.
  - You need fiber to have regular __________ movements (so you can go the bathroom).

Digestion and Exercise (Answer the following questions in bullet form.)

- Why do you feel hungry and thirsty after you’ve been active?

- What does it mean to be lactose intolerant?

- What is celiac disease?