The Digestive System Outline Notes: You are what you eat!

**Digestive System**

- Your __________ need a lot of ______________ for their ____________________________
- Cells use ________________________________________________________________
- The digestive system __________________________ in food into ________________
  ____________________________________________________________ that can be used for ___________ and as ____________________________ for these cells.

**Vocabulary Words:**

- Carbohydrates – __________________________________________________________
- Enzymes – __________________________
- Proteins – ______________________________________________________________
- Fats – _________________________________________________________________
- Bile – __________________________
- Metabolism – ____________________________________________________________
- Peristalsis – _____________________________________________________________

**Food into your body:**

1. Proteins (_________________), carbohydrates (_____________________________), fats (_____________), vitamins, ________________________________.
2. Maintain _________________
3. No food has every nutrient, so ______________________________ of foods.

**The digestive system’s function:** breaks food down into small molecules that are ______________

**Two types of digestion:**

1. Mechanical digestion: __________________________
2. Chemical digestion: __________________________
   (________________________ that __________________________ chemical reactions)

**Food’s Journey through the Digestive System:**

Step 1:

Step 2:
Chemical Digestion:
- Digesting food – _____________________________________________________________
  ___________________________________________________________________________
- ___________________________________ in the stomach

Organs of the digestive system:
1. Accessory organs: food ___________________________________________. Includes _________________________________
2. _______________________: food ________________ . Includes _________________________________

Digestion Begins!
1. Mouth: _______________________________________________________________________  
2. Esophagus: ___________________________________________________________________  
3. Stomach: _____________________________________________________________________  
   a. ___________________________________________________________________________  
   b. ___________________________________________________________________________  
4. Small Intestine: _____________________________________________________________________

Accessory Organs of Small Intestine:
   a. Liver: large red-brown organ that makes __________________
   b. Gallbladder: ____________________ which is released into the S.I. and __________________
   c. Pancreas: makes digestive ____________ & ____________ which __________________

5. ___________________ from undigested chyme
   a. ________________ can be in large intestine (L.I.) as long as _________________________
   b. ________________ ; sac attached to the L.I. that is now known to provide immune support in the body

6. _____________ & ___________: control __________________________ (___________) from body

How nutrients are absorbed:
- ______________ break down foods into smaller particles so that the body can then absorb nutrients!

Enzymes:
- Lactase – _____________________________________________________________
- Sucrase – _____________________________________________________________
- Lipase – _____________________________________________________________
- Pepsin – _____________________________________________________________
Label the digestive system based on your notes and the key provided. Underneath the diagram, write the purpose or function of each organ.

1. Mouth: ________________________________________________________________
2. Salivary glands: _________________________________________________________
3. Pharynx: ___________________________________________________________________
4. Esophagus: __________________________________________________________________
5. Liver: ___________________________________________________________________
6. Gall bladder: __________________________________________________________________
7. Stomach: ___________________________________________________________________
8. Pancreas: ___________________________________________________________________
9. Small intestine: __________________________________________________________________
10. Large intestine: __________________________________________________________________
11. Rectum: ___________________________________________________________________
12. Anus: ___________________________________________________________________