Levels of Organization and Digestive System Study Guide

Part 1. Directions: Using your Levels of Organization notes, fill in the blanks with the correct vocabulary term or answer the question.

1. **Division of Labor** - the work (labor) of keeping the organism alive is divided (division) among the different parts of the body.

2. What are the 5 levels of organization?
   
   **Cells, Tissues, Organs, Organ Systems, Organisms**

3. Give two examples of different kinds of cells. **Nerve and Skin**

4. **Tissues** - Cells that are similar in structure and function and are usually joined together to form tissues.

5. There are **four** basic/major types of tissues in the human body, what are they?

6. **Organs** - When a bunch of different types of tissues work together, they form an organ.

7. Each organ in your body is part of an **organ system**, a group of organs that work together to perform a major function.

8. The **nervous system** detects and interprets information from the environment outside the body and from within the body; controls most body functions.

9. The **muscular system** enables the body to move; moves food through the digestive system, and keeps the heart beating.

10. The **skeletal system** supports and protects the body, and works with the muscular system to allow movement; makes and stores blood cells and stores some other materials.

11. The **digestive system** takes food into the body, breaks the food down into smaller particles, and absorbs the digested materials.

12. The **respiratory system** takes oxygen into the body and eliminates carbon dioxide.
13. Entire living things that can carry out all basic life processes are what? List all four. Protists, Plants, Animals, Humans

Part 2. Directions: Using your Digestive System notes, fill in the blanks with the appropriate vocabulary term.

1. Digestion is the process of breaking down food into smaller and usable materials.
2. Mechanical Digestion is the physical process of breaking food into smaller pieces.
3. Peristalsis is the muscular action of material moving thought the digestive system by wave-like action of smooth muscles.
4. The chemical changes actually change the food into different substances is called Chemical Digestion.
5. The stomach is smooth muscles that mix and mash the food.
6. The small intestine partially digests food.
7. The large intestine is where the water and other nutrients are absorbed from the digestive material.
8. The pancreas is located between the stomach and the small intestine. It produces chemicals.
9. The liver is located just above the stomach. It filters blood and cleans it.
10. The gallbladder is a pear-shaped sac connected to the liver.
Part 3: Label each part of the digestive system diagram using the table provided.

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
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<tbody>
<tr>
<td>1. Mouth</td>
<td>6. Gallbladder</td>
</tr>
<tr>
<td>2. Salivary Glands</td>
<td>7. Stomach</td>
</tr>
<tr>
<td>3. Esophagus</td>
<td>8. Large Intestine</td>
</tr>
<tr>
<td>5. Liver</td>
<td></td>
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