

## Create a Digestive System Model Assignment

### Objective:

Your task is to build a model of the human digestive system using **recycled or household materials** in a group of 2 – 3 students. You will demonstrate the path that food takes through the digestive system and identify the main organs and their functions.

### Organs to Include:

You must include the following **8 parts** of the digestive system in your model:

1. **Mouth**
2. **Esophagus**
3. **Stomach**
4. **Small Intestine**
5. **Large Intestine**
6. **Liver**
7. **Pancreas**
8. **Anus**

### Suggested Materials to Mimic Each Organ:

<b>Organ</b>	<b>Function</b>	<b>Household Item Ideas</b>
<b>Mouth</b>	Chewing food	Sponge, scissors (teeth), or bottle cap for opening
<b>Esophagus</b>	Moves food to stomach	Paper towel roll, flexible straw, or tubing
<b>Stomach</b>	Breaks down food	Balloon, ziplock bag, small plastic bag
<b>Small Intestine</b>	Absorbs nutrients	Pantyhose, stocking, rope, yarn, or flexible tubing
<b>Large Intestine</b>	Absorbs water, forms waste	Vacuum hose, thicker tubing, coiled sock
<b>Liver</b>	Produces bile	Sponges, cardboard shape, brown paper bag
<b>Pancreas</b>	Produces digestive enzymes	Small sponge, foam piece, bottle cap
<b>Anus</b>	Releases waste	Small opening, cut in paper bag, or rubber band “exit”

Encourage creativity! You can paint, color, or label your model as you see fit. You do **not** need to use the items above — they are just examples to get you started.

**Instructions:**

1. **Plan:** Research or review the function of each digestive organ.
2. **Gather:** Find items at home that you can safely use to represent each part.
3. **Build:** Create your model. Be sure to connect the organs in the correct order.
4. **Label:** Clearly label each part. You can use flags, stickers, or a key/legend.
5. **Explain:** Write 3–5 sentences explaining how your model represents the digestive system.
6. **Be Creative:** The goal is to *understand* how the digestive system works — not to be perfect. The more creative, the better!

**Due Date:** \_\_\_\_\_

**Assessment Criteria (Optional Rubric):**

- Includes all 8 organs (8 pts)
- Correct organ order (5 pts)
- Creative use of materials (2 pts)
- Accurate labels (5 pts)
- Short explanation of how the model works (5 pts)

**Total: 25 points**