

**PAL Worksheet**  
**Week 15 Problem Set 1**

**GI Physiology**

1. Define the following 4 basic processes in digestion in your own words:

Motility

Secretion

Digestion

Absorption

2. Name the structures (in order) through which food passes beginning at the mouth and ending at the anus. Also list accessory organs to digestion.

3. Differentiate between chemical and mechanical digestion

4. What is the enteric nervous system and what are its functions?

5. Ellie eats scrambled eggs with bacon and toast for breakfast. Create a table describing where each component of the meal (carbohydrates, proteins and fats) are digested and what enzymes are involved.

6. Create a list of hormones involved in digestion. Indicate which cells they are released from and what their actions are.

7. Match the following:

Parietal cells

Enzymes

Brush border cells

Secretin and CCK

G cells

Pepsinogen, Gastric lipase

Chief cells

HCl

Enteroendocrine cells

Gastrin