1. Gastric acid secretion is stimulated by several phases associated with the ingestion and digestion of a meal. Which phase stimulates the bulk of acid secretion?
   - (A) cephalic
   - (B) esophageal
   - (C) gastric
   - (D) intestinal
   - (E) colonic

2. Which protein is absent in saliva?
   - (A) lactoferrin
   - (B) amylase
   - (C) mucin
   - (D) intrinsic factor
   - (E) muramidase

3. Which sugar is taken up by enterocytes by facilitated diffusion?
   - (A) glucose
   - (B) galactose
   - (C) fructose
   - (D) xylose
   - (E) sucrose

4. What would you expect to find in a sample of portal blood after protein has been digested and absorbed by the GI tract?
   - (A) free amino acids
   - (B) di- and tripeptides
   - (C) free amino acids and dipeptides
   - (D) free amino acids and tripeptides
   - (E) free amino acids, dipeptides, and tripeptides

5. The cell is compartmentalized to carry out specific functions. In which subcellular compartment does fatty acid oxidation occur?
   - (A) cytoplasm
   - (B) mitochondria
   - (C) nucleus
   - (D) endosomes
   - (E) golgi apparatus