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2009年　ヒト生物学Ⅰ 本試（田中，１６点）

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最も適切な単語を word bank から選び、括弧内に記載せよ。

1. The typical tissue layers of the wall of the digestive tract are mucosa, (　　), muscularis, and serosa.
2. A rhythmic contraction called (　　) pushes the food along the esophagus and continues in all the organs of the digestive tract.
3. The stomach churns foods with acidic gastric (　　).
4. The large surface area of the small intestine facilitates absorption of (　　) into the cardiovascular and lymphatic system.
5. The large intestine consists of cecum, colon, (　　), and anal canal.
6. The pancreas has both an endocrine and an (　　) function.
7. The liver produces (　　), which is stored in the gallbladder.
8. Glucose is stored by the liver in the form of (　　).
9. Adequate protein formation requires 20 different types of amino acids. Of these, 8 are required from the diet. These are termed the (　　) amino acids.
10. There are 13 vitamins, which are divided into groups. One is (　　)-soluble vitamins and the other is water-soluble vitamins.

<Word bank>

glycogen, juice, nutrients, submucosa, bile, fat, rectum, peristalsis, exocrine, essential

＜注＞　churn：かき回す