**Extension: Digestive Enzymes & Absorption**

**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Biology 11**

**Directions:** Complete the following questions by using the textbook on pages 981 to 984.

1. What is a sphincter and where are they found in the digestive system?
2. Complete the chart below investigating the enzymes that are a part of the digestive process:

|  |  |  |
| --- | --- | --- |
| **Enzyme** | **Active Site** | **Effect(s) on Food** |
| **Salivary amylase** |  |  |
| **Pepsin** |  |  |
| **Amylase** |  |  |
| **Trypsin** |  |  |
| **Lipase** |  |  |
| **Maltase, sucrose, lactase** |  |  |
| **Peptidase**  |  |  |

1. What are the 3 parts to the small intestine? Explain what the purpose of each are.
2. Explain how absorption through the use of villi occurs in both of the intestines.