**Formative Assessment**  Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
BIOLOGY: The Digestive System (Difficult) Time: 15 minutes

**Question 1:** Decreased secretions from the gallbladder would cause a/an: **(1 mark)**

1. Decreased absorption of simple fats in the small intestine.
2. Increase in peristalsis of the digestive tract.
3. Decreased production of proteins.
4. Reduction in digestive enzyme release from the pancreas.

**Question 2:** Which of the following chemical changes would take place in the stomach? **(1 mark)**

1. Breakdown of proteins by protease enzyme
2. Breakdown of proteins by hydrochloric acid
3. Breakdown of carbohydrates by amylase enzymes
4. All of the above

**Question 3:** What structure(s) of the small intestine help speed up the rate of absorption of nutrients into the blood? **(1 mark)**

1. A diagram of the internal organs

   Description automatically generatedCillia
2. Villi & microvilli
3. Flagella
4. Enzymes

**Question 4:** Refer to the diagram Fig 2, which shows part of the human digestive system.

Identify the structure that stores substances involved in mechanical fat digestion. **(1 mark)**

1. 2
2. 3
3. 4
4. 5

**Question 5:** Carbohydrates, proteins and fats are all digested in different parts of the body. Which row in the following table shows where each of these three groups are **first** broken down? **(1 mark)**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **carbohydrate** | **protein** | **fats** |
| (a) | mouth | small intestine | stomach |
| (b) | mouth | stomach | small intestine |
| (c) | small intestine | stomach | small intestine |
| (d) | stomach | mouth | small intestine |

**Question 6:** Peristalsis moves food material. **(1 mark)**

1. in the stomach and small intestines only.
2. in the stomach and intestines only
3. from the pharynx to the anal canal
4. in the oesophagus and stomach only.

**Question 7:** State **two (2)** main functions of the large intestine. **(2 marks)**

|  |
| --- |
|  |

**Question 8:** Digestion of food can occur both mechanically and chemically.

1. Describe two examples of mechanical digestion by completing the table below. **(4 marks)**

|  |  |
| --- | --- |
| **Mechanical Digestion Process** | **Description** |
|  |  |
|  |  |

1. Complete the table below summarising the enzymes involved in the chemical breakdown of nutrients. **(3 marks)**

|  |  |
| --- | --- |
| **Chemical Digestion Process** | **Specific Enzyme** |
| Chemical break down of carbohydrates |  |
| Chemical break down of proteins |  |
| Chemical break down of fats |  |

**PERSONAL LEARNING REFLECTION**

|  |  |
| --- | --- |
| One thing I have learnt from doing this activity is… | **SCORE:**  \_\_\_\_\_\_ / 15  \_\_\_\_\_\_\_ % |