

Activity 4: Check Your Thinking!

Title: Quiz Code Breakers

Type: Individual Activity

Instructions:

Fill in the blanks with the correct answers and explain your reasoning when required. For the essay question, write a thoughtful response based on what you've learned. Use complete sentences and examples to support your answers.

Fill-in-the-Blank Questions

1. The process of breaking down food into smaller pieces starts in the _____, where mechanical digestion happens with the help of _____ and chemical digestion starts with _____ in saliva.
2. The long muscular tube that pushes food toward the stomach using wave-like movements called _____ is the _____.
3. In the stomach, food is mixed with strong digestive juices to form a liquid called _____, which then moves to the _____ for further digestion and absorption.
4. Tiny finger-like projections called _____ in the _____ intestine help absorb nutrients into the bloodstream.
5. The large intestine removes _____ from waste and forms it into solid _____, which are eventually eliminated from the body.
6. The _____ produces bile, which breaks down fats, while the _____ stores this bile until it is needed.
7. The process where nutrients from food are absorbed into the blood and delivered to the body is called _____. This is similar to how plants use their _____ system to transport nutrients.
8. Mechanical digestion involves physically breaking down food, while _____ digestion uses _____ to break food into smaller molecules.
9. The _____ system works with the digestive system by transporting absorbed nutrients through the blood to the rest of the body.
10. Water and minerals are absorbed in the _____, which also helps form and store waste for elimination.

Essay Question

Question:

In 5–7 sentences, explain why understanding the journey through the digestive system is important for staying healthy. Use examples from the lesson to show how the digestive system works with other body systems and why taking care of it is essential.

Guidelines for Writing:

- Begin by stating the importance of the digestive system in keeping your body healthy.
- Describe how the digestive system works with other systems, such as the circulatory and excretory systems.
- Include examples of how nutrients are absorbed and transported, as well as how waste is eliminated.
- Conclude by explaining how healthy eating habits and staying active can support the digestive system.

Essay Question Response (20 Points)

Criteria	Excellent (4)	Good (3)	Needs Improvement (2)	Poor (1)
Content Accuracy	The essay is factually accurate and includes detailed and clear explanations of the digestive system and its connection to other systems.	Essay is mostly accurate, with clear explanations but minor omissions or inaccuracies.	An essay has several inaccuracies or lacks clear explanations of key concepts.	Essay lacks accuracy or understanding of the digestive system and its connections.
Use of Examples	Includes multiple relevant and specific examples (e.g., nutrient absorption, waste elimination) to support the explanation.	Includes at least one relevant example to support the explanation but lacks depth.	Includes examples, but they are vague or unrelated to the topic.	Does not include relevant examples to support the explanation.
Clarity and Organization	Ideas are well-organized, logically sequenced, and easy to understand.	Ideas are mostly well-organized, with minor issues in sequence or clarity.	Ideas are somewhat disorganized or difficult to follow.	An essay is disorganized and difficult to understand.

Relevance to Question	Fully addresses all parts of the question, connecting the digestive system to health and other body systems.	Addresses most parts of the question but may lack some connections or depth.	Partially addresses the question, missing key connections or focus.	Does not adequately address the question or misses key aspects entirely.
Language and Grammar	Language is clear, with minimal or no grammar or spelling errors.	Language is mostly clear, with a few minor grammar or spelling errors.	Language has several grammar or spelling errors that affect clarity.	Language is unclear due to frequent grammar or spelling errors.

Answer Key:

1. Mouth, teeth, amylase
2. Peristalsis, esophagus
3. Chyme, small intestine
4. Villi, small
5. Water, stools
6. Liver, gallbladder
7. Absorption, phloem
8. Chemical, enzymes
9. Circulatory
10. Large intestine