

Year 4 Science Assessment: The Human Body

Learning objective: To describe the functions of the basic parts of the human digestive system and identify the different types of teeth in humans and their simple functions.

Read each question carefully. Answer in full sentences where required. Ensure your spelling is accurate.

Nova the owl has been observing how humans eat and process their food. She is fascinated by how the body breaks down a meal into energy. Max the monkey has been busy measuring how long it takes for food to travel through the digestive system and comparing the shapes of different teeth. Together, they have compiled this assessment to test your knowledge of human biology.

Word bank: Oesophagus · Incisors · Canines · Molars · Stomach · Small intestine · Digestion · Enamel

1. Identify the three main types of human teeth and describe the primary function of each type. (3 marks)

2. Explain the role of the oesophagus in the digestive system. Why is this tube vital for moving food from the mouth to the stomach? (2 marks)

3. What is the primary function of the small intestine during the process of digestion? (2 marks)

4. Compare and contrast the teeth of a carnivore (like a lion) with the teeth of a human. Why do our teeth need to be different? (3 marks)

5. Justify why it is important to chew food thoroughly before swallowing. How does this help the stomach and the rest of the digestive system? (3 marks)

6. What might happen if the human body could not absorb nutrients in the small intestine? Explain the impact this would have on daily life. (4 marks)

7. Imagine a food item (such as an apple) travels through the body. Write a recount of its journey, starting from the mouth and ending in the large intestine. Use scientific vocabulary to describe the changes the food undergoes at each stage. (8 marks)

Draw: Draw a diagram of the human digestive system. Label the mouth, oesophagus, stomach, small intestine, and large intestine.



Extension challenge: Research Task: Max the monkey bought a healthy lunch for £3.50 and a snack for £1.25. If he wants to ensure he has a balanced diet, explain why it is essential to consider the nutritional value of his food rather than just the cost. Write a short paragraph justifying the importance of a balanced diet for the human body.