

Year 4 Science Assessment: The Digestive System

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

Read each question carefully. Ensure your answers are clear and written in full sentences where required. Good luck!

Bea the Honeybee has been busy observing how humans consume their food. She noticed that the process starts as soon as we take a bite and continues until our bodies have absorbed the energy needed to grow and play. She also noted that our teeth play a vital role in preparing our food for this journey.

Word bank: Oesophagus · Stomach · Small intestine · Large intestine · Incisors · Canines · Molars · Saliva · Digestion · Nutrients

1. Identify the two main roles of the teeth in the digestive process. (2 marks) (2 marks)

2. Name the three types of human teeth and explain the specific job that each type performs. (3 marks) (3 marks)

3. Describe the function of the oesophagus. Why is it important for the food to travel through this tube? (2 marks) (2 marks)

4. Explain what happens to food once it reaches the stomach. (2 marks) (2 marks)

5. Compare the roles of the small intestine and the large intestine. Why does the body need both? (4 marks) (4 marks)

6. Nova the Owl is curious: If a person had no teeth, how would this affect their digestion? Justify your answer by explaining which stage of digestion would be most impacted. (3 marks) (3 marks)

7. Max the Monkey is eating a banana. Trace the path of the banana through the digestive system, naming each organ in the correct order and explaining what happens to the food at each stage. (4 marks) (4 marks)

8. Imagine you are a tiny explorer travelling through the human digestive system. Write a creative account of your journey. You must include the names of at least four organs and describe the physical changes the food undergoes during your trip. (5 marks) (5 marks)

Draw: Draw and label a diagram of the human digestive system. Include the mouth, oesophagus, stomach, and intestines.



Extension challenge: Total: /25. Extension Task: Research the digestive systems of herbivores (like Ellie the Elephant) versus carnivores. Write a paragraph explaining why their teeth are shaped differently and how this relates to their diet.