

Digestive Detectives with Bea the Bee

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

Read each question carefully and apply your knowledge of human biology to solve these digestive puzzles. Use the word bank to help you with scientific terminology.

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

1. Bea the Bee is studying how food travels through our bodies. Describe the function of the oesophagus and explain what happens once the food reaches the stomach. (2 marks)

2. Compare and contrast the roles of the small intestine and the large intestine in the digestive process. (2 marks)

3. Humans have different types of teeth for different jobs. Justify why a human needs both sharp incisors and flat molars for a healthy diet. (2 marks)

4. What might happen to the digestive process if the body did not produce enough saliva? Explain your reasoning. (2 marks)

5. Max the Monkey is eating a banana. Use the correct scientific order to list the stages the banana passes through, starting from the mouth. (2 marks)

Draw: Draw a labelled scientific diagram of the human digestive system. Include the mouth, oesophagus, stomach, and both intestines. Add a small speech bubble for Bea the Bee explaining one interesting fact about the stomach.



Extension challenge: Imagine you are a tiny explorer travelling through the human digestive system. Write a short, creative diary entry describing the journey from the mouth to the final destination. Use at least four pieces of scientific vocabulary and describe the physical changes the food undergoes along the way.