

Bea's Digestive Journey: Mapping the Human System

Learning objective: To identify, name and describe the functions of the parts of the human digestive system, understanding how nutrients are absorbed.

Bea the Honeybee is shrinking down to go on an adventure inside the human digestive system! Below is a list of digestive processes. Match each process to the correct organ from the word bank, then sequence them in the order food travels through the body by numbering them 1 to 6.

Word bank: Mouth · Oesophagus · Stomach · Small Intestine · Large Intestine · Rectum

1. 1. I am the muscular tube that pushes food down towards the stomach using wave-like movements. Which organ am I? (1 mark)

2. 2. Explain why the small intestine is so long and coiled. How does this structure help the body absorb nutrients more effectively? (3 marks)

3. 3. Compare and contrast the roles of the stomach and the large intestine. What is the primary purpose of each? (3 marks)

4. 4. Justify your answer: Why is it important for teeth to break food into smaller pieces before it even reaches the stomach? (2 marks)

5. 5. What might happen if the large intestine failed to absorb water from the waste material? Predict the result for the body. (2 marks)

6. 6. Sequence the organs: Place the organs in the correct order (1-6) that a piece of food would travel through. (3 marks)

Draw: Draw a scientific diagram of the human digestive system. Label each of the six organs mentioned in the word bank and draw a small arrow showing the direction in which food travels.



Extension challenge: Imagine you are a piece of toast on a journey through the digestive system. Write a creative diary entry from the perspective of the toast, describing the physical and chemical changes you experience as you move through each stage of the system.