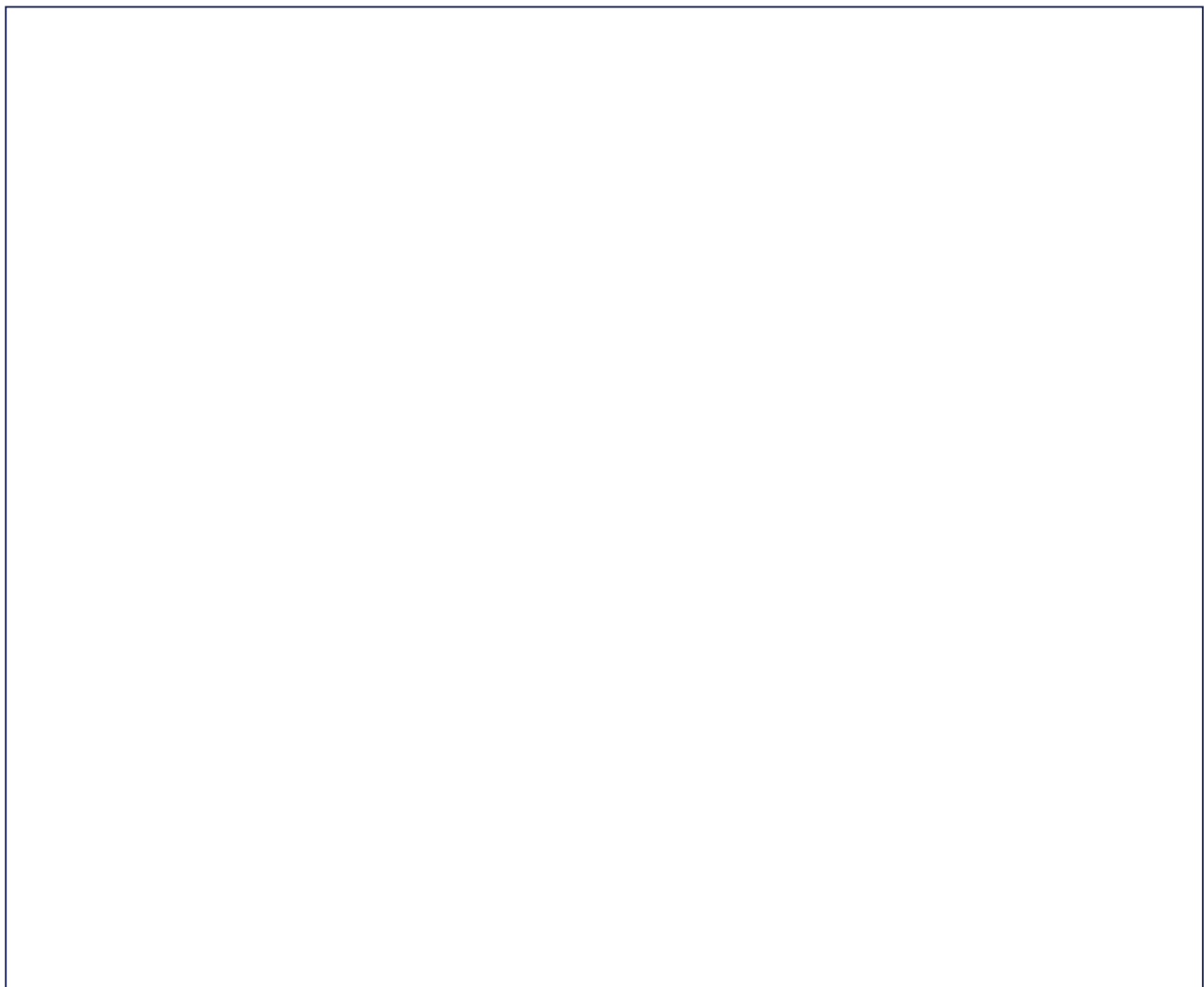


Nova's Nutritional Journey: The Human Digestive System

Learning objective: To identify and label the main organs of the human digestive system and understand how nutrients are absorbed to provide energy for a healthy lifestyle.

Use your knowledge of human biology to complete the diagram below. Ensure your labels are neatly printed and use a ruler to draw lines from the labels to the correct parts of the digestive system.

Draw: Draw a clear, anatomical outline of the human digestive system. Start with the mouth at the top, leading into a long tube (oesophagus) that connects to a sac-like stomach. Below the stomach, draw a coiled, narrow tube representing the small intestine, surrounded by a wider, shorter tube representing the large intestine. The style should be scientific and diagrammatic, suitable for a biology textbook. Include space for labels and directional arrows.



Label words: Mouth · Oesophagus · Stomach · Small intestine · Large intestine · Rectum

Steps:

1. Step 1: Draw the outline of the human digestive tract. Label the parts using the word bank provided.
2. Explain why the small intestine is significantly longer than the large intestine. How does this length assist in the absorption of nutrients?

3. Compare and contrast the roles of the stomach and the large intestine. What is the primary function of each?
4. Justify your answer: Why is it essential for a balanced diet to include fibre, even though the body cannot digest it?
5. What might happen if the oesophagus were unable to perform peristalsis? Describe the consequence for the digestive process.
6. Label the path food takes. Use arrows to show the direction of movement from the mouth to the rectum.