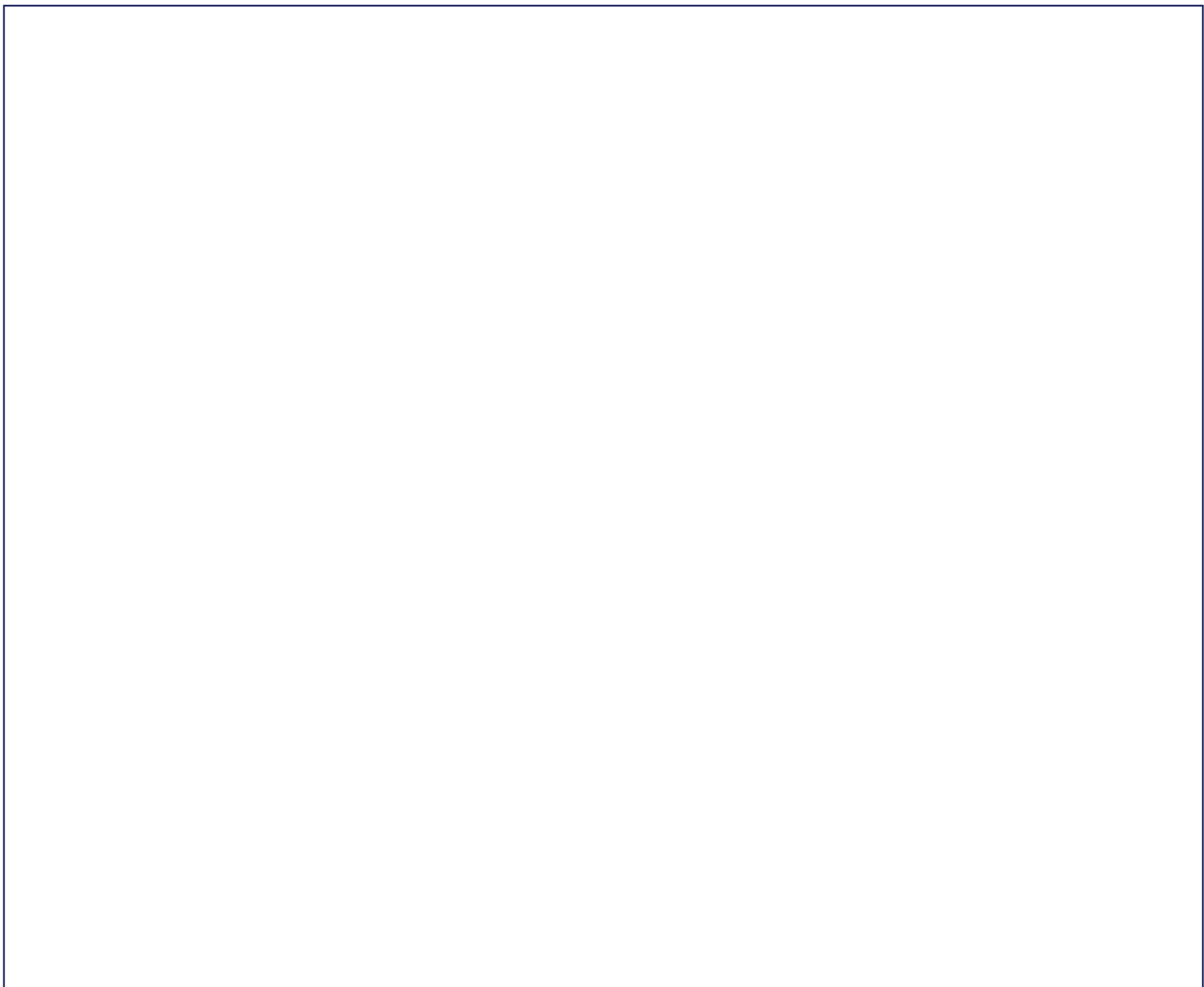


Nova's Anatomy Adventure: The Human Digestive System

Learning objective: To identify and describe the functions of the human digestive system.

Follow the drawing prompt to create a diagram of the human digestive system. Once your drawing is complete, use the word bank to label the key parts. Finally, answer the challenge questions to demonstrate your understanding of how our bodies process food.

Draw: Create a clear, scientific diagram of the human digestive tract on a plain background. Use a fine-liner or dark pencil for the outlines. Draw the oesophagus as a straight tube leading down into a sack-like stomach. Represent the small intestine as a very long, tightly coiled tube packed neatly in the centre, and the large intestine as a thicker, wider tube framing the outer edge of the small intestine. Ensure your lines are neat and provide enough space between labels to keep the diagram easy to read.



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

Steps:

1. Step 1: Draw the outline of a human torso. Inside, sketch the path food takes from the mouth to the stomach. Label these two parts.
2. Step 2: Draw the small intestine as a long, coiled tube connected to the stomach. Label it.

3. Step 3: Draw the large intestine surrounding the small intestine and label it.
4. Explain why the small intestine is so long and coiled. How does this structure help the body?
5. Compare and contrast the roles of the stomach and the large intestine. What is the primary difference in their functions?
6. Justify your answer: What might happen to the human body if the small intestine were unable to absorb nutrients from food?