

Nova's Digestive System Discovery

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

Follow the steps below to complete your scientific diagram of the human digestive system. Use the word bank to ensure your labels are accurate.

Draw: Draw a clear, scientific diagram of the human digestive system inside the outline of a person. Use different colours for each organ to distinguish them. Ensure the tubes connect logically from the mouth to the rectum. Your drawing style should be neat and annotated with straight lines pointing to the correct parts.



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

Steps:

1. Step 1: Draw a simple outline of a human torso. Add the digestive tract starting from the mouth and ending at the rectum. Label each organ clearly.
2. Explain why the stomach is a vital part of the digestive process. What might happen if food could not be broken down there?
3. Compare and contrast the roles of the small intestine and the large intestine in the human body.
4. Justify why it is important for the oesophagus to be a muscular tube rather than a rigid pipe.

5. If a person were unable to absorb nutrients effectively, which part of the digestive system might be failing to function correctly? Explain your reasoning.