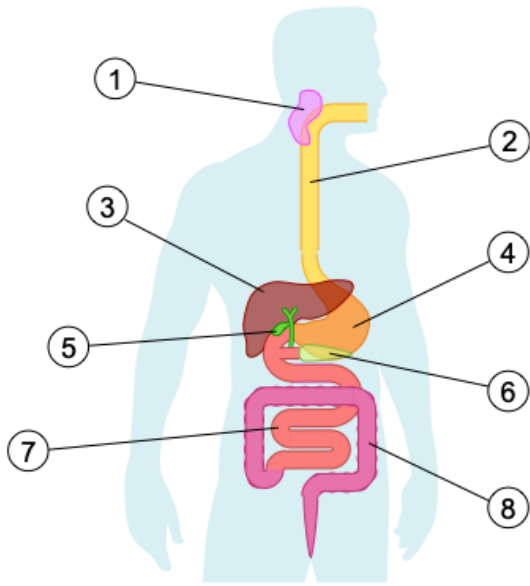


6.1 Digestion & Absorption

Digestion

Label the following diagram of the human digestive system



- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.

Outline the function of the following digestive organs

Stomach:

Pancreas:

Small Intestine:

Large Intestine:

Liver:

Differentiate between chemical and mechanical digestion

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Complete the following table

Enzyme	Source	Substrate	Product	Optimal pH
(salivary) amylase				
pepsin (protease)				
(pancreatic) lipase				

Compare digestive movement via peristalsis and segmentation

Peristalsis:

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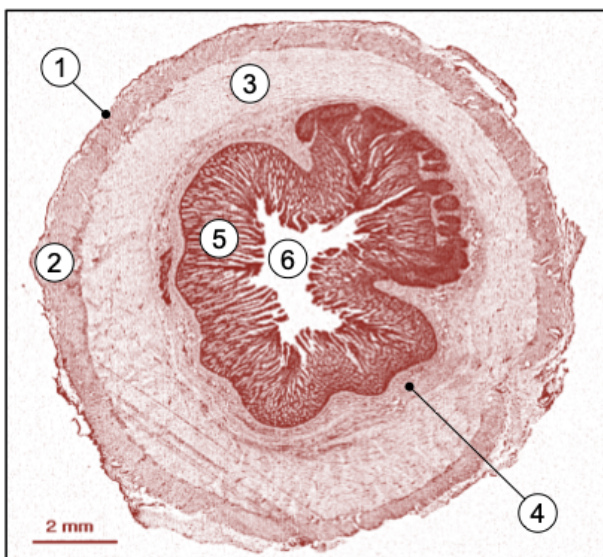
Segmentation:

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Absorption

Label the tissue layers of the small intestine



- 1.
- 2.
- 3.
- 4.
- 5.
- 6.

What type of cross-section is this?

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Distinguish between absorption and assimilation

Absorption:

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Assimilation:

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With the aid of the diagram, explain how the structure of an intestinal villus relates to its role

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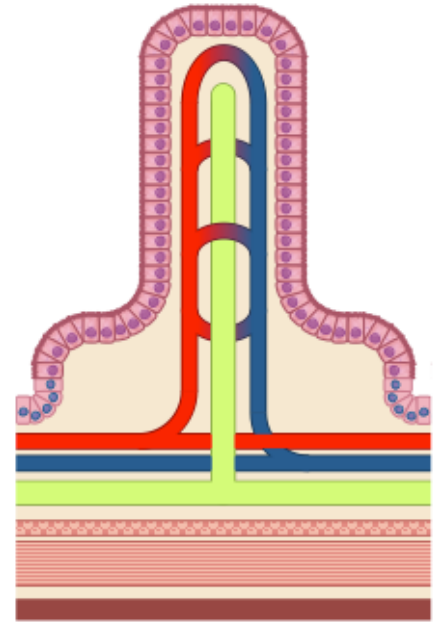
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Identify the different methods of membrane transport that may be used to absorb nutrients

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Outline the digestion of starch (and subsequent transport of products)

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