

Science

Name: ()

Class:

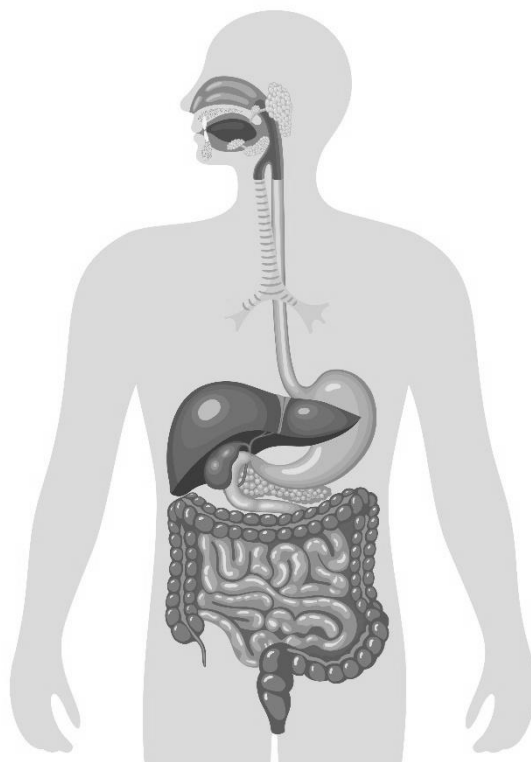
Date: / /

Lower Secondary Science – Revision of the Human Digestive System

- Complete the summary of the human digestive system.

1. Briefly explain why food has to be digested *mechanically*:

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2. Briefly explain why food has to be digested *chemically*:

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3. Name the essential components of the digestive system by clearly labelling them on the diagram.

4. Name the nutrients that are digested in each part of the digestive system:

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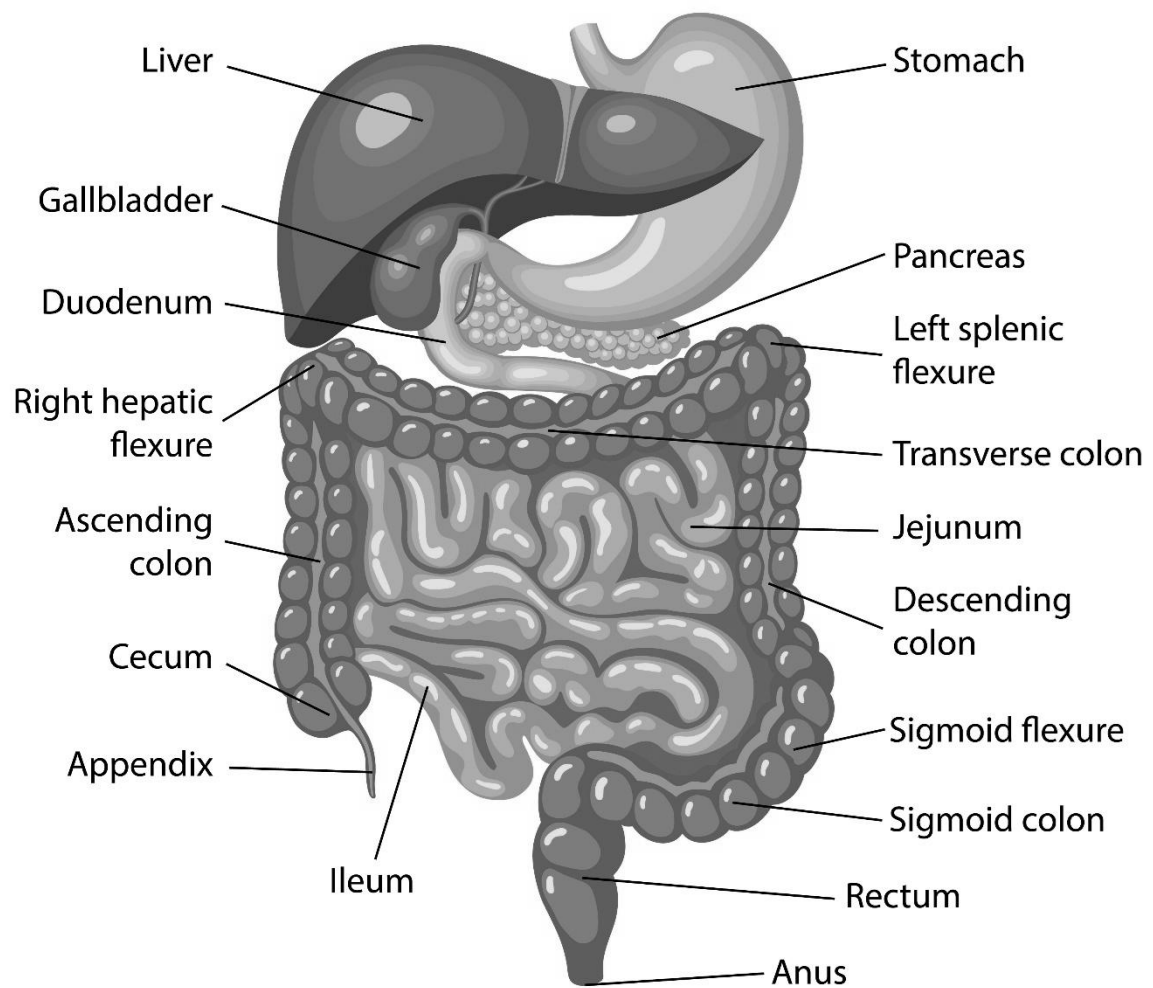
5. Name the enzymes responsible for the *complete* digestion of each nutrient:

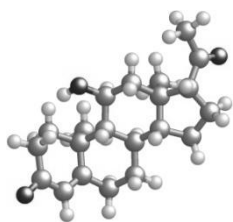
- Fats:
- Proteins:
- Starch:

6. Name the final product(s) of digestion for each nutrient:

- Fats:
- Proteins:
- Starch:

Digestive system





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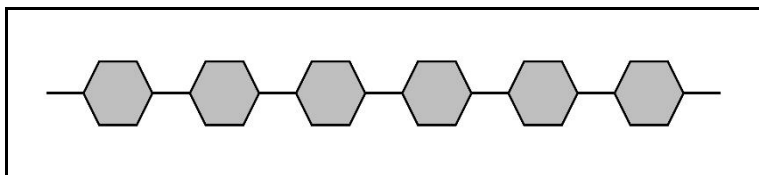
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Enzymes in the Human Digestive System

Part One: The digestion of starch.

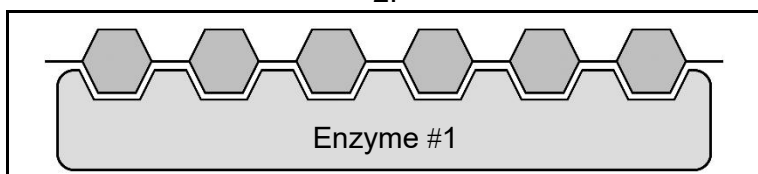
1.



• Name of nutrient:

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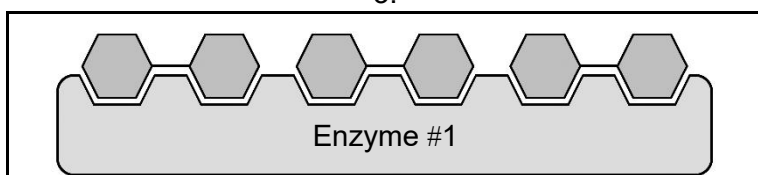
2.



• Name of enzyme #1:

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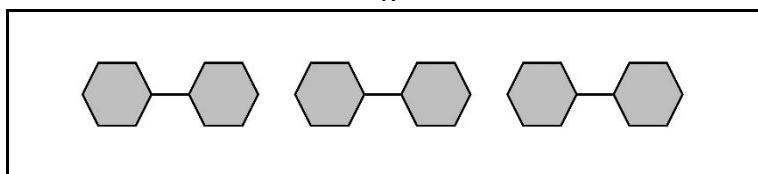
3.



• Site of digestion:

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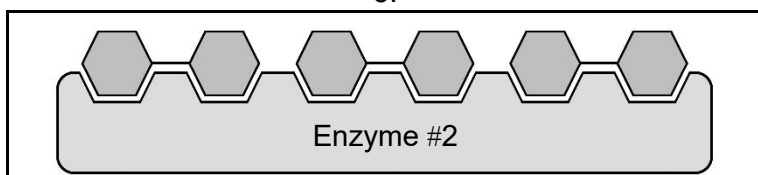
4.



• Intermediate product of digestion:

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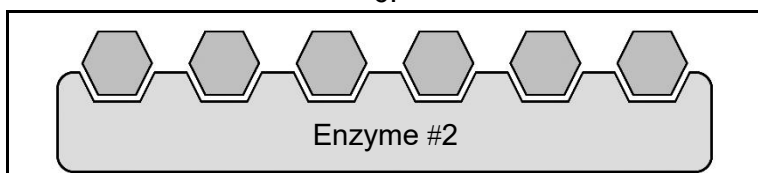
5.



• Name of enzyme #2:

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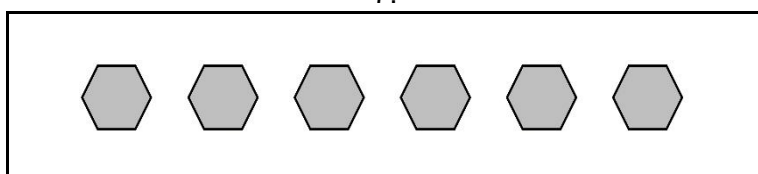
6.



• Site of digestion:

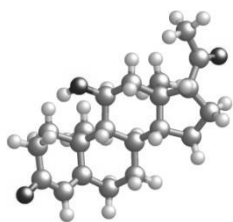
.....

7.



• Final product of digestion:

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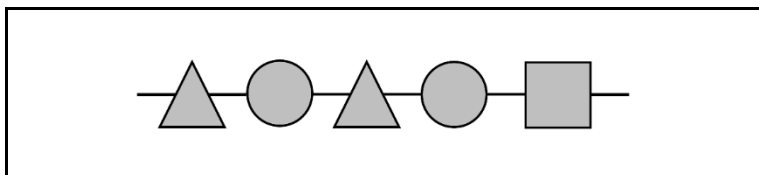
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Enzymes in the Human Digestive System

Part Two: The digestion of proteins.

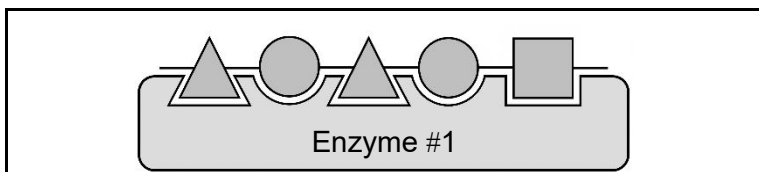
1.



• Name of nutrient:

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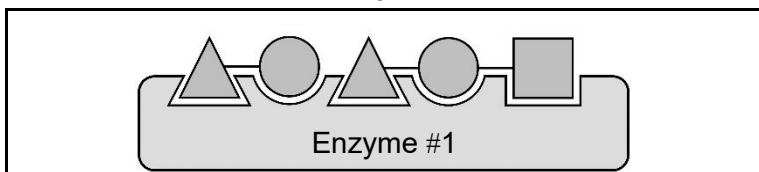
2.



• Name of enzyme #1:

.....

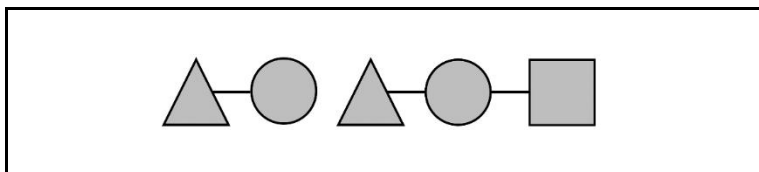
3.



• Site of digestion:

.....

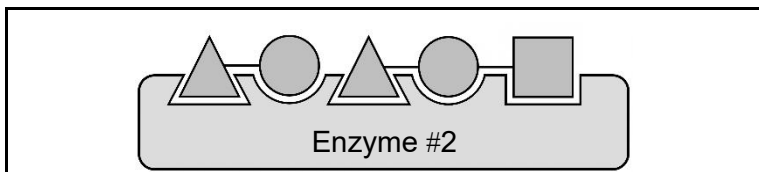
4.



• Intermediate product of digestion:

.....

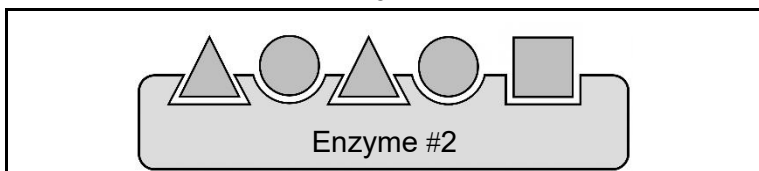
5.



• Name of enzyme #2:

.....

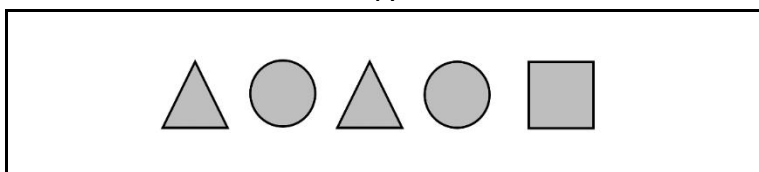
6.



• Site of digestion:

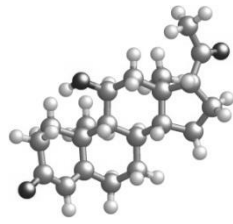
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7.



• Final product of digestion:

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Name: ()

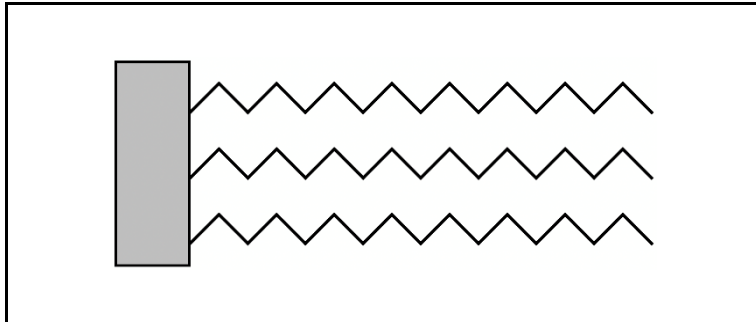
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Enzymes in the Human Digestive System

Part Three: The digestion of fats / lipids.

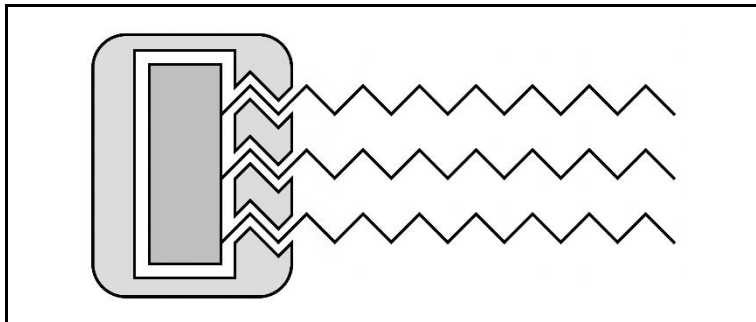
1.



• Name of nutrient:

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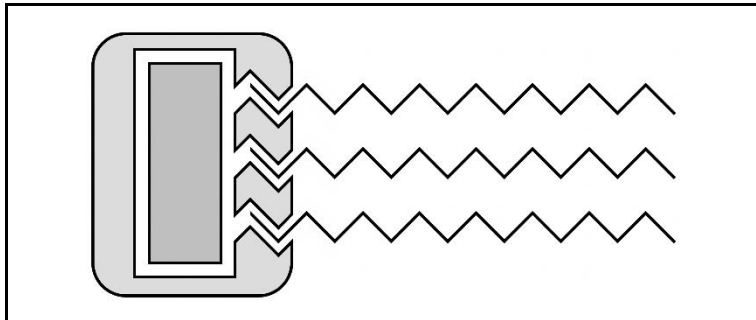
2.



• Name of enzyme:

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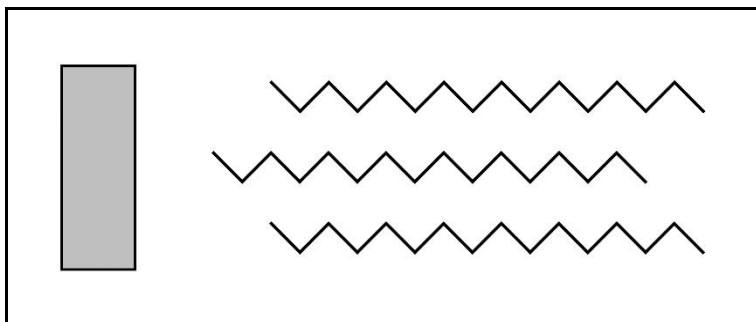
3.



• Site of digestion:

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4.



• Products of digestion:

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- Scan the QR code to view the answers to this assignment.



https://www.nygh.sg/lower_secondary_science/sec_two_science/sec_2_biology/human_digestion_summary_ans.pdf