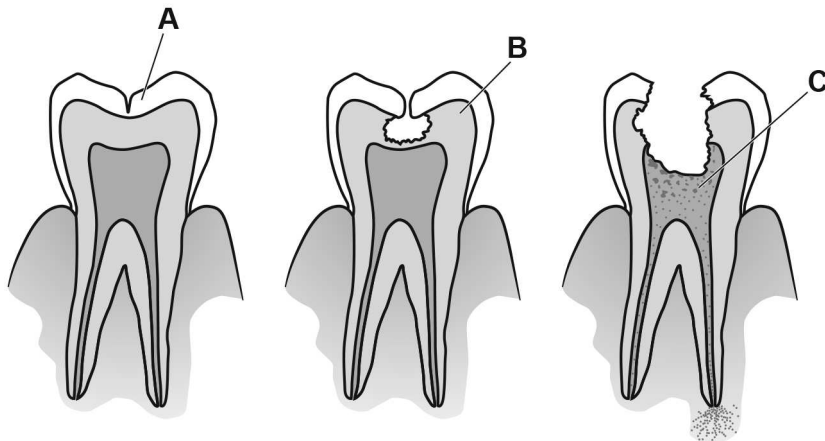


1 The diagram shows the stages of dental decay.



Describe the causes of dental decay.

Use the letters in the diagram in your answer.

.....

.....

.....

.....

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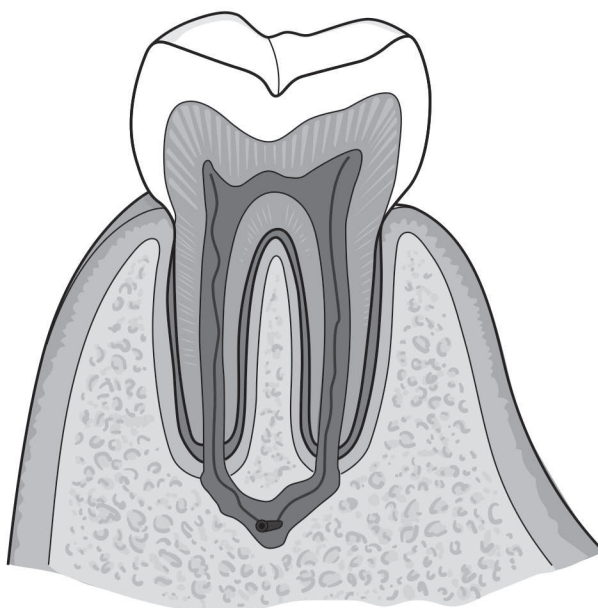
.....

.....

[4]

[Total: 4]

2 The diagram shows a section through a human molar tooth.



Use label lines and labels to identify these structures **on** the diagram:

- cement
- gum
- nerves.

[3]

[Total: 3]

3 Protein is a large molecule.

The table shows the names of some large molecules, the enzymes that catalyse the breakdown of these large molecules and the smaller molecules they are made from.

Complete the table by writing the correct large molecule, enzymes and small molecule in the boxes.

large molecules	enzymes	small molecules
protein	amino acids
.....	amylase	glucose
fats and oils	fatty acids and

[4]

[Total: 4]

- 4 Complete the table to show the names, functions and sites of action of the three different digestive enzymes.

name of enzyme	function	site of action
pepsin		
trypsin		
	breaks down maltose to glucose	

[3]

[Total: 3]

- 5 Emulsification of fats occurs in the alimentary canal.

State the name of the organ in the alimentary canal where fats are emulsified.

..... [1]

[Total: 1]