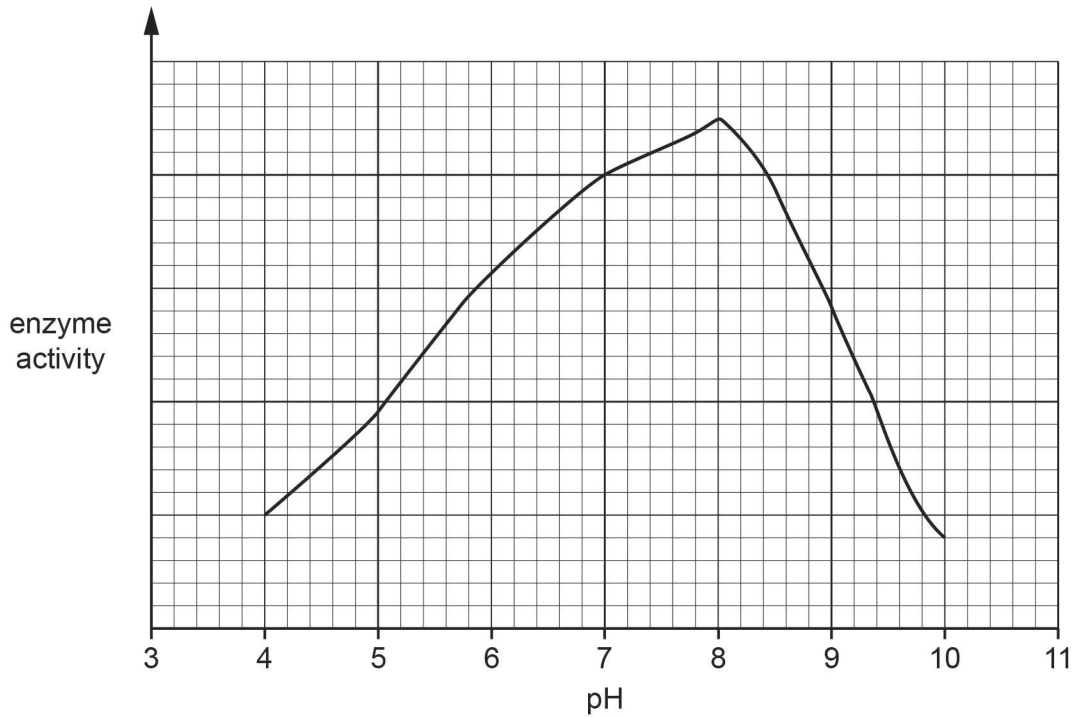


1 Alcohol dehydrogenase is an enzyme that breaks down alcohol in the body.

The graph shows the activity of alcohol dehydrogenase at different pH values.



State the pH value with the highest enzyme activity in the graph.

..... [1]

[Total: 1]

2 Enzymes are biological catalysts.

Define the term catalyst.

.....
.....

..... [2]

[Total: 2]

3 State the name of the group of chemicals that yeast uses to catalyse the breakdown of glucose molecules.

Choose your answer from the list.

- antibiotics antibodies enzymes hormones**

..... [1]

[Total: 1]

4 Amino acids are transported in plants.

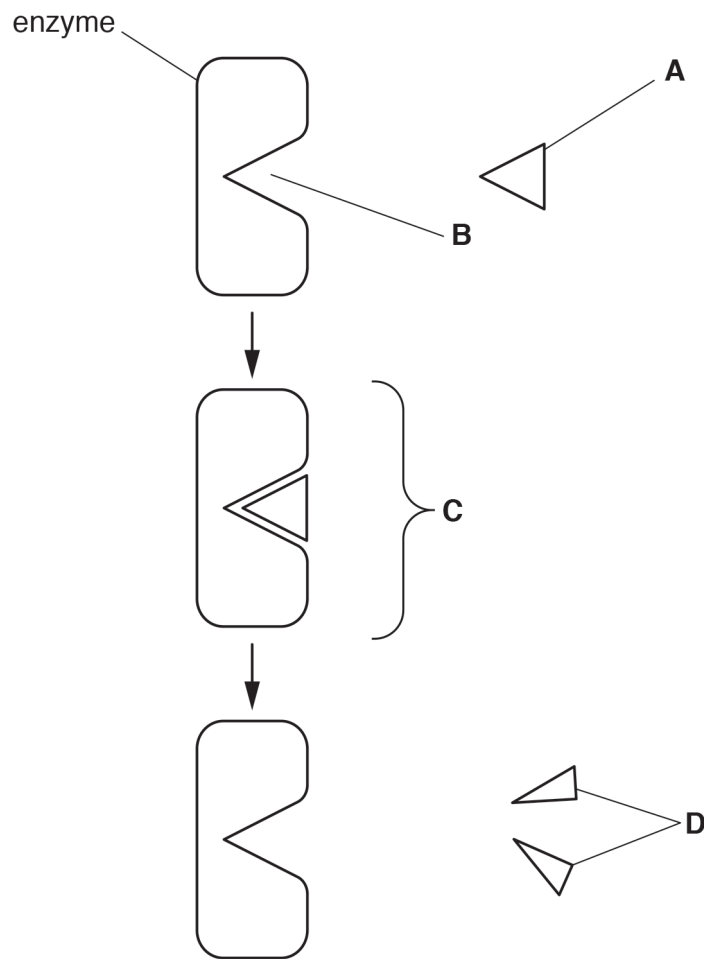
State the name of the group of molecules that are made of proteins and act as catalysts.

..... [1]

[Total: 1]

5 The reactions of chemical digestion are catalysed by enzymes.

The diagram shows the stages of an enzyme-catalysed reaction.



State the names of **A** to **D** in the diagram.

A

B

C

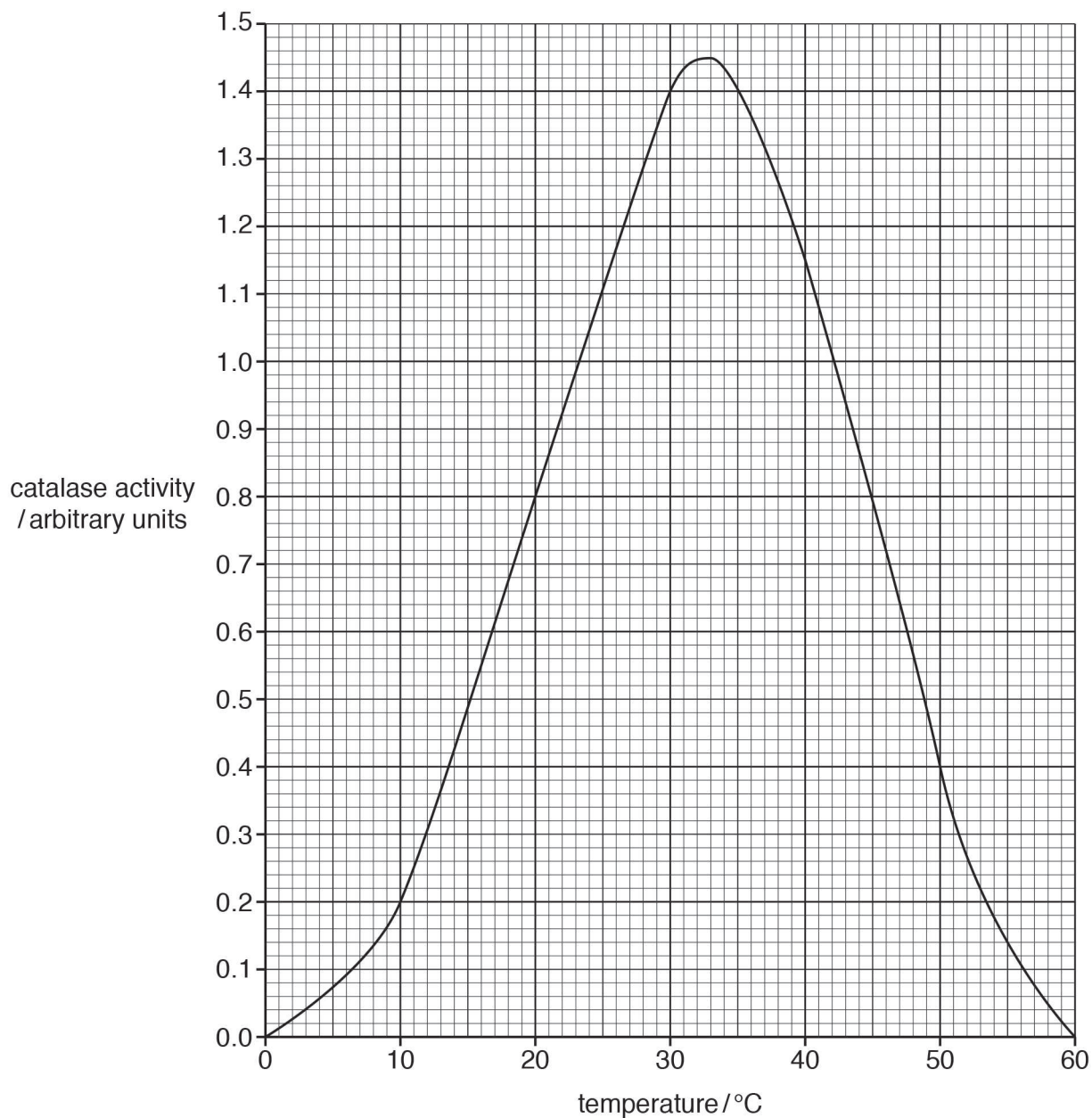
D [4]

[Total: 4]

6 Catalase is an enzyme that catalyses the breakdown of hydrogen peroxide into water and oxygen.

The effect of temperature on catalase activity was investigated.

The results are shown in the graph.



State the temperature at which catalase is most active in the graph.

..... °C [1]

[Total: 1]