

9. The enzyme catalase increases the rate of the reaction shown.



An experiment was carried out to investigate the effect of copper nitrate concentration on catalase activity. The catalase activity was determined by measuring the time taken to collect 10 cm³ of oxygen in the presence of different concentrations of copper nitrate.

The results are shown in the table.

Copper nitrate concentration (mol l ⁻¹)	Time taken to collect 10 cm ³ oxygen (seconds)
0.2	8
0.3	12
0.4	15
0.6	18
0.8	19
1.0	20

The conclusion for this experiment is, as copper nitrate concentration increased the

- A time taken to collect 10 cm³ oxygen increased
- B time taken to collect 10 cm³ oxygen decreased
- C catalase activity increased
- D catalase activity decreased.