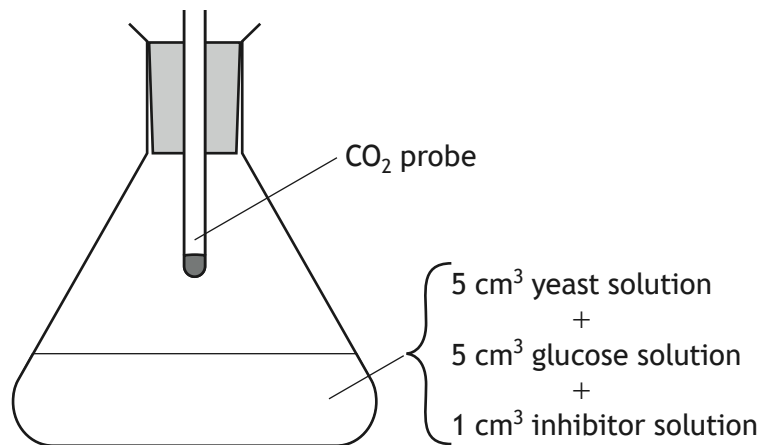


12. An investigation was carried out into the effect of an enzyme inhibitor's concentration on the rate of respiration in yeast. Five different flasks were set up as shown.



Each flask contained a different concentration of inhibitor. The CO₂ concentration was measured by the probe.

In a suitable control experiment for this investigation the flask should contain

- A 5 cm³ yeast solution and 5 cm³ glucose solution
- B 5 cm³ yeast solution, 5 cm³ glucose solution and 1 cm³ water
- C 5 cm³ water, 5 cm³ glucose solution and 1 cm³ inhibitor solution
- D 5 cm³ yeast solution, 5 cm³ water and 1 cm³ inhibitor solution.