

Chemistry ATP

Answering techniques [Rates of Reactions]

Q1) Explain why the rate of reaction was greatest in this experiment?[2m]

Ans: Highest temperature among all the experiments meaning more energy in particles and more collisions

Q2) Suggest and explain the effect on the results of using a burette to measure the volume of solution.[2m]

Ans: More accurate results than a measuring cylinder due to the precision

Q3) Suggest and explain one other improvement to these experiments. [2m]

Ans:

- **Insulation [if Heat]**:- use a lid to reduce heat losses
- Repeat the experiment and take average results
- Measure any liquid or solution using a burette/ use a stopwatch or digital thermometer, this increases the accuracy.

Igcse Ms W1p6 Chemistry

Roger Norris



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