

Measuring Reaction Rates Exit Quiz – Student Edition

1. Draw a graph of the expected trend for time vs. volume of gas collected for the reaction when powdered zinc is used compared to granulated zinc

Use your graph to help you to choose the correct answer to the questions below

2. What does the gradient or slope of the graph show?
 - a) The time the reaction takes
 - b) The volume of gas
 - c) The rate of reaction
 - d) The surface area of the chemical
3. A steep gradient means that...
 - a) the reaction rate is fast
 - b) the reaction rate is slow
 - c) the reaction rate equals zero
 - d) all the products have been formed
4. Reactions where the line becomes horizontal very quickly indicate that...
 - a) There were not enough reactants
 - b) The reaction was rapid
 - c) The reaction was very slow
 - d) The reaction did not reach the activation energy