

## The Rate and Extent of Chemical Changes - Quick fire questions

This worksheet is fully supported by a video tutorial; <https://youtu.be/C-tHYZwisNs>

1. How do you measure the rate of reaction?
2. Give two ways to measure the quantity of reactant or product.
3. What are the units for measuring rate of reaction?
4. How do you calculate the gradient for a tangent?
5. Give three ways to measure the rate of reaction.
6. How can a change in temperature affect the rate of reaction?
7. How a change in pressure affect the rate of reaction?
8. How can a change in concentration affect the rate of reaction?
9. How can a change in surface area affect the rate of reaction?
10. What is a catalyst?
11. How can a catalyst affect the rate of reaction?
12. Sketch an energy profile for catalysed and an uncatalysed reaction.
13. What symbol represents a reversible reaction?
14. What happens to ammonium chloride upon heating and cooling?
15. What happens to copper sulfate on the addition and removal of water?

Higher tier only

16. What is Le Chatelier's Principle?

