Edexcel iGCSE Chemistry 4CH0 Learning Plan

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| **Section A6: Rates of Reaction** |
| Specification | Resources | Assessment |
| 4.17 describe experiments to investigate the effects of changes in surface area of a solid, concentration of solutions, temperature and the use of a catalyst on the rate of a reaction4.18 describe the effects of changes in surface area of a solid, concentration of solutions, pressure of gases, temperature and the use of a catalyst on the rate of a reaction4.19 understand the term activation energy and represent it on a reaction profile4.20 explain the effects of changes in surface area of a solid, concentration of solutions, pressure of gases and temperature on the rate of a reaction in terms of particle collision theory4.21 explain that a catalyst speeds up a reaction by providing an alternative pathway with lower activation energy. | Video: Section 4 Lesson 3Powerpoint: Section 4 Lesson 3 Textbook:Page 41 - Rates of ReactionPage 43 - Changing the conditions in the experiment.Page 44 - Changing the concentrationPage 45 - Changing the temperaturePage 46 - CatalystsPage 51 - Chapter Check List | TextbookPage 51 End of Chapter QuestionsPages 52-53 End of section A Questions.Answers to textbook Ch 6 questions – pdfAnswers to textbook end of Section A questions - pdfTalking paper video – Edexcel Chemistry Section A6 rate of ReactionSection A6 Question – Rates of Reaction –. (pdf)Section A6 Question – mark scheme – Rates of Reaction. (pdf) |

Videos – www.igcsesciencecourses.com

Textbook Ref: Edexcel International GCSE Chemistry Student Book - Clark

DVD Video Clips – see resource DVD in textbook.

<http://www.chemguide.co.uk/igcse/chapters/chapter6.html>