

Chemistry year 10 Spring 1

| Chapter and Topic | Lesson | Outcomes |
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| C6 Electrolysis 1 | Introduction to electrolysis | <ul style="list-style-type: none"> • Describe what happens in electrolysis. • Describe the type of substances that can be electrolysed. • Deduce the products of electrolysis. |
| 2 | Changes at the electrodes | <ul style="list-style-type: none"> • Describe what happens to the ions during electrolysis. • Explain how water affects the products of electrolysis. • Represent the reactions at each electrode using half equations. (H) |
| 3 | The extraction of aluminium | <ul style="list-style-type: none"> • Explain why some metals are extracted with carbon and others by electrolysis. • Describe the process of extracting aluminium from its ore. • Deduce the half equation at each electrode during the electrolysis of aluminium oxide. (H) |
| 4 | Electrolysis of aqueous solutions required practical | <ul style="list-style-type: none"> • Investigate the electrolysis of solutions using inert electrodes. |
| 5 | Electrolysis of aqueous solutions | <ul style="list-style-type: none"> • Predict the products of electrolysis of an aqueous solution. • Deduce the half equation at each electrode during the electrolysis of an aqueous solutions. (H) |
| C6 Test | | <ul style="list-style-type: none"> • |