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| Chemistry p.106-7  Additional Science p.90-91 | Chp 6.3 The extraction of aluminium | |
|  | What method is used to extract aluminium? |  |
| What ore do we get aluminium oxide from? |  |
| What is the first step in the extraction of aluminium from this raw material? |  |
| **Electrolysis of aluminium oxide** | What must be done first to the aluminium oxide? Why? |  |
| What is the melting temperature of aluminium oxide? |  |
| How can energy be saved when melting aluminium oxide? |  |
| How many electrons does each aluminium ion gain at the negative electrode to produce aluminium atoms? |  |
| How is the aluminium collected? |  |
| How many electrons does each oxide ion lose at the positive electrode to produce oxygen atoms? |  |
| Why do the carbon electrodes need to be periodically replaced? |  |