Edexcel iGCSE Chemistry Checklist

Section C17: **Metals**

|  |  |  |  |
| --- | --- | --- | --- |
| ***I can*** | ☺ | 😐 | ☹ |
| explain how the methods of extraction of the metals in this section are related to their positions in the reactivity series |  |  |  |
| describe and explain the extraction of aluminium from purified aluminium oxide by electrolysis, including: i the use of molten cryolite as a solvent and to decrease the required operating temperature ii the need to replace the positive electrodes iii the cost of the electricity as a major factor |  |  |  |
| write ionic half-equations for the reactions at the electrodes in aluminium extraction |  |  |  |
| describe and explain the main reactions involved in the extraction of iron from iron ore (haematite), using coke, limestone and air in a blast furnace |  |  |  |
| explain the uses of aluminium and iron, in terms of their properties. |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |