


## Data Sheet

### 1. Reactivity Series of Metals

|                 |  |
|-----------------|--|
| Potassium       | most reactive<br><br>least reactive |
| Sodium          |  |
| Calcium         |  |
| Magnesium       |  |
| Aluminium       |  |
| <i>Carbon</i>   |  |
| Zinc            |  |
| Iron            |  |
| Tin             |  |
| Lead            |  |
| <i>Hydrogen</i> |  |
| Copper          |  |
| Silver          |  |
| Gold            |  |
| Platinum        |  |

(elements in italics, though non-metals, have been included for comparison)

### 2. Formulae of Some Common Ions

| Positive ions |                              | Negative ions |                               |
|---------------|------------------------------|---------------|-------------------------------|
| Name          | Formula                      | Name          | Formula                       |
| Hydrogen      | H <sup>+</sup>               | Chloride      | Cl <sup>-</sup>               |
| Sodium        | Na <sup>+</sup>              | Bromide       | Br <sup>-</sup>               |
| Silver        | Ag <sup>+</sup>              | Fluoride      | F <sup>-</sup>                |
| Potassium     | K <sup>+</sup>               | Iodide        | I <sup>-</sup>                |
| Lithium       | Li <sup>+</sup>              | Hydroxide     | OH <sup>-</sup>               |
| Ammonium      | NH <sub>4</sub> <sup>+</sup> | Nitrate       | NO <sub>3</sub> <sup>-</sup>  |
| Barium        | Ba <sup>2+</sup>             | Oxide         | O <sup>2-</sup>               |
| Calcium       | Ca <sup>2+</sup>             | Sulfide       | S <sup>2-</sup>               |
| Copper(II)    | Cu <sup>2+</sup>             | Sulfate       | SO <sub>4</sub> <sup>2-</sup> |
| Magnesium     | Mg <sup>2+</sup>             | Carbonate     | CO <sub>3</sub> <sup>2-</sup> |
| Zinc          | Zn <sup>2+</sup>             |               |                               |
| Lead          | Pb <sup>2+</sup>             |               |                               |
| Iron(II)      | Fe <sup>2+</sup>             |               |                               |
| Iron(III)     | Fe <sup>3+</sup>             |               |                               |
| Aluminium     | Al <sup>3+</sup>             |               |                               |

Turn over ►

