

# Cambridge IGCSE Chemistry

## Topic 9: The Periodic Table

### Transition elements

#### Notes



*Describe the transition elements as...*

- A collection of metals having high densities, high melting points and forming coloured compounds, and which, as elements and compounds, often act as catalysts

*(Extended only) Know that transition elements have variable oxidation states*

- Transition elements have variable oxidation states, meaning they can form ions with different charges
  - E.g.  $\text{Cu}^+$  or  $\text{Cu}^{2+}$
- the oxidation state a transition metal is in is often shown using roman numerals e.g. iron (II) =  $\text{Fe}^{2+}$  and iron (III) =  $\text{Fe}^{3+}$

