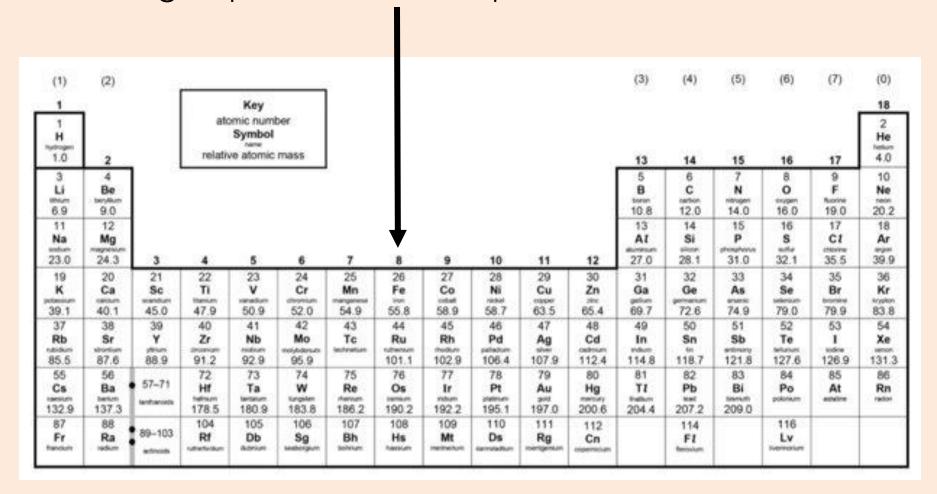
C4.1.5 - The Transition Metals

Chemistry only
Do NOT do this lesson if you are studying combined science

Lesson Objectives

- Identify the transition elements in the periodic table
- Recall the general properties of the transition metals
- Recall that transition metals are often used as catalysts

The transition metals are between groups 2 and 3 in the periodic table



Properties of transition metals (typical of metals)

- Shiny
- High melting and boiling points
- Hard
- Ductile
- Malleable
- Good conductors of heat and electricity

Properties of transition metals (specific to transition metals)

Form compounds which are coloured

- Can form different charged ions
 - Fe²⁺, Fe³⁺

Uses of of transition metals

- Copper
 - Electrical wires

- Iron
 - Construction
- Catalysts
 - Speeds up a reaction without being used up itself (C5.1)