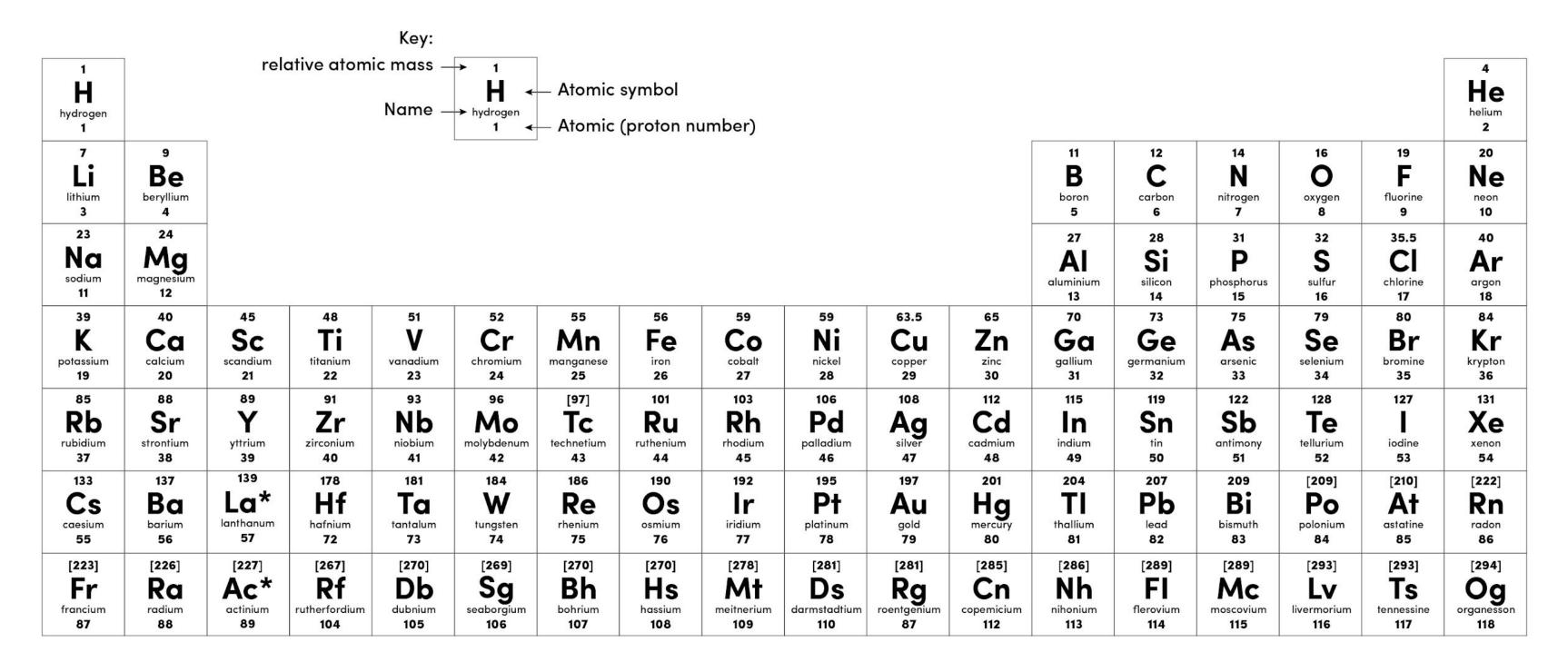
Combined Science - Chemistry - Key Stage 4 Atomic Structure & the Periodic Table

Group 7 elements





Periodic Table of Elements





Warm up

- 1. When non-metals react, do they form positive or negative ions?
- 2. When non-metals react, do they lose or gain electrons to their outer shell?

- 3. Which of the following are physical properties:
 - Melting point
 - Reaction with water
 - Boiling point
 - Reaction with oxygen
 - Density



Independent practice - describe the trend in boiling point

Halogen	Boiling point/°C
Fluorine	-118
Chlorine	-34
Bromine	59
lodine	184

A good answer, always contains:

- 1. General description of a trend (increase/decrease)
- 2. States values from table WITH UNITS
- 3. Uses comparative language

As you go down group....

For instance.....



Independent task

- 1. What is the name given to group 7 elements?
- 2. Describe what happens to the boiling point as you go down group 7.
- 3. Describe what happens to the melting point as you go down group 7.
- 4. Explain why melting point increases as you go down the group.

