

[illegible]



Elements in the same group have similar properties.

Lithium (Li) and potassium (K) are metals. They are solids at room temperature, have low melting points compared to other metals and are very reactive.

3. Which other elements have similar properties to lithium and potassium?

Tick **two** boxes.

aluminium (Al)

☐

beryllium (Be)

☐

calcium (Ca)

☐

copper (Cu)

☐

**francium (Fr)**

☒

**rubidium (Rb)**

☒

The atomic number increases as you move from left to right across a period.

4. What is the atomic number of the elements below?

a. molybdenum (Mo) **42**

b. germanium (Ge) **32**

atomic  
number

23
<b>Na</b>
Sodium
11

The atomic radius decreases as you move from left to right across a period. Some elements are shown in the tables below. The atomic radius of each element is given.

5. Complete the tables to predict the atomic radius of nitrogen and sulfur.

Element	boron	carbon	nitrogen	oxygen
Atomic Radius	87	67	<b>any value between 49 and 66</b>	48

Element	phosphorus	sulfur	chlorine	argon
Atomic Radius	98	<b>any value between 80 and 97</b>	79	71