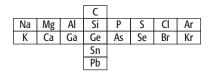
Worksheet 3.7

Trends in the Periodic Table

The diagram below shows a section of the Periodic Table showing Periods 3 and 4, together with Group IV.



1	What trend is observed in the nature of the elements across Period 3 (Na to Ar)?
2	Is the same trend observed exactly in Period 4 (K to Kr)?
3	What trend do you observe in descending Group IV (C to Pb)?
4	Which four elements form basic oxides?
5	Which of the elements in Period 3 forms an amphoteric oxide?
6	Which elements do not form oxides at all?
7	Where in the Periodic Table is the most reactive and metallic metal found?
8	Where in the Periodic Table is the most reactive and non-metallic non-metal found?
9	Which is more reactive, calcium (Ca) or magnesium (Mg)?
10	Arsenic oxide dissolves in both acids and alkalis. What does this tell you about arsenic oxide?