

18 Part of the Periodic Table is shown.

Which element forms an acidic oxide?

A 10x10 grid with labels A, B, C, and D. Label A is in the top row, column 5. Label B is in the third row, column 8. Label C is in the third row, column 10. Label D is in the fourth row, column 1. The grid is divided into four quadrants by a vertical line between column 5 and 6, and a horizontal line between row 5 and 6.

5 Which row describes isotopes of the same element?

	number of protons	number of neutrons
A	different	different
B	different	same
C	same	different
D	same	same

6 Which row describes the structure of the positive ion in sodium chloride?

	protons	electrons	neutrons
A	11	11	12
B	11	10	12
C	17	17	18
D	17	18	18

8 What is the nucleon number of an atom?

- A the number of neutrons
- B the number of protons
- C the total number of protons and neutrons
- D the total number of protons and electrons

3 Element Y has a nucleon number of 19 and a proton number of 9.

Which group in the Periodic Table does it belong to?

- A I B III C VII D VIII

6 The table shows the structure of different atoms and ions.

particle	proton number	nucleon number	number of protons	number of neutrons	number of electrons
Mg	12	24	12	W	12
Mg ²⁺	X	24	12	12	10
F	9	19	9	Y	9
F ⁻	9	19	9	10	Z

What are the values of W, X, Y and Z?

	W	X	Y	Z
A	10	10	9	9
B	10	12	10	9
C	12	10	9	10
D	12	12	10	10