

6 Which statement describes the formation of bonds in lithium bromide?

- A** A lithium atom donates one electron to a bromine atom.
- B** A bromine atom donates one electron to a lithium atom.
- C** A lithium atom shares a pair of electrons with a bromine atom.
- D** A bromine atom donates a pair of electrons to a lithium atom.

7 Which statement describes the structure of sodium chloride?

- A** a lattice of alternating positive and negative ions
- B** a lattice of positive ions surrounded by a 'sea' of delocalised electrons
- C** a mixture of sodium and chlorine atoms
- D** a regular lattice of sodium and chlorine atoms

5 Which statement describes all positive ions?

- A** Positive ions have more electrons than neutrons.
- B** Positive ions have more protons than neutrons.
- C** Positive ions have more electrons than protons.
- D** Positive ions have more protons than electrons.

6 Which statement about ionic compounds is correct?

- A** Giant lattices are formed when ionic compounds crystallise from solution.
- B** In all ionic compounds, the metal ions have fewer electrons than the non-metal ions.
- C** In a giant lattice, ions of the same charge are closer together than ions of opposite charge.
- D** When ionic compounds melt, strong intermolecular forces are broken.