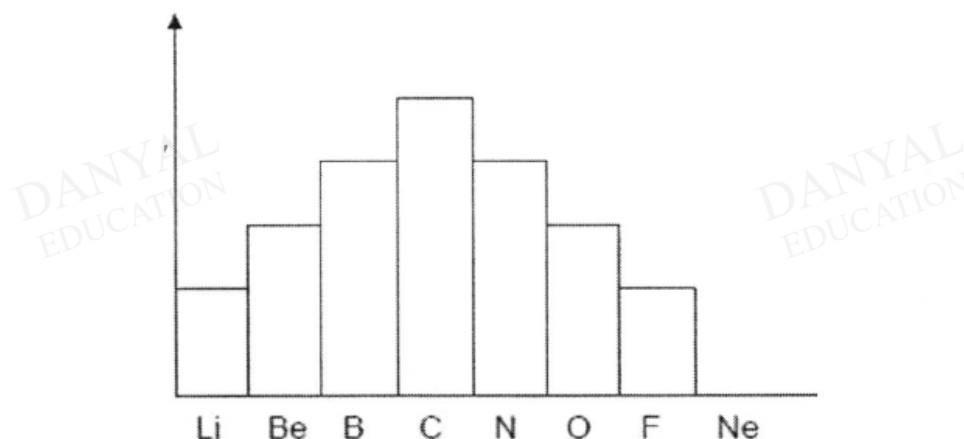


O Level Pure Chemistry MCQs

Periodic Table Test 1.0

Q1

The bar chart shows the period of elements from lithium to neon.



Which is the correct label for the y-axis?

- A the atomic number
- B the number of electrons involved in bonding
- C the number of valence electrons
- D the relative atomic mass

Q2

Astatine can be found in Group VII of the Periodic Table.

Which statement is correct?

- A Astatine can conduct electricity.
- B Astatine forms a soluble silver salt.
- C Astatine can form both ionic and covalent compounds.
- D Astatine occupies 24 dm³ at room temperature and pressure.

Q3

Which statement about transition metals is **not** correct?

- A Transition metals can behave as catalysts.
- B Transition metals have high melting and boiling points.
- C Transition metals can have variable oxidation states.
- D Transition metals tend to be coloured.

Q4

The element astatine (At) is beneath iodine in Group VII of the Periodic Table.

Which one of the following is a likely property of astatine?

- A It can be liberated from a solution of its salt by chlorine gas.
- B It conducts electricity in molten state.
- C It forms a basic oxide.
- D It displaces iodine from aqueous potassium iodide.

Q5

The table below represents 8 elements P, Q, R, S, T, U, V and W across Period 2 of the Periodic Table.

3P	4Q	5R	6S	7T	8U	9V	10W
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Which of the following properties is **incorrect**?

- A The chlorides of T have high melting points whereas chlorides of P have low melting points.
- B The oxides of T are acidic whereas the oxides of P are alkaline.
- C P and Q are metals whereas V and W are non-metals.
- D V atoms are smaller than P atoms.

Q6

Which statement about groups in the Periodic Table is correct?

- A All elements form either positively charged ions or negatively charged ions.
- B In Group I, all the elements form covalent compounds with hydrogen.
- C In Group VII, all the elements form ionic bonds with most metals.
- D All groups contain acidic and basic oxides.

Q7

Going down Group I from lithium to caesium,

- A the reactivity decreases.
- B the number of electron shells increases.
- C the number of valence electrons increases.
- D the melting point increases.

Q8

The table below represents 8 elements **P**, **Q**, **R**, **S**, **T**, **U**, **V** and **W** across Period 2 of the Periodic Table.

P	Q	R	S	T	U	V	W
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Which of the following is **correct**?

- A The chloride of **T** has a high melting point whereas the chloride of **P** has a low melting point.
- B The oxide of **S** is alkaline whereas the oxide of **Q** is acidic.
- C **P** and **Q** are metals whereas **V** and **W** are non-metals.
- D Element **W** forms the most stable compounds.

Answers

Periodic Table Test 1.0

- Q1 B
- Q2 C
- Q3 D
- Q4 A
- Q5 A
- Q6 C
- Q7 B
- Q8 C
- Q9 D
- Q10 D

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