



Pareeksha Kirana – 2021

From Team Vijnana Kirana

CHEMISTRY

Ch : 5 PERIODIC CLASSIFICATION OF ELEMENTS -2

32

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1. Which of the following is the correct increasing order of the atomic radii of the elements oxygen, fluorine and nitrogen?

- a) $O < F < N$ b) $N < F < O$ c) $O < N < F$ d) $F < O < N$

2. The elements A, B and C belong to group 2, 14 and 16 respectively, of the periodic table. Which of the elements will form covalent bonds?

- a) A and B b) B and C c) C and A d) A

3. An element X belongs to the 3rd period and 1st group of the periodic table. What is the number of valence electrons in its atom?

- a) 1 b) 3 c) 6 d) 8

4. An element M is in group 13th of the periodic table, the formula of its oxide is

- a) MO b) M_2O_3 c) M_3O_2 d) MO_2

5. Observe the table and identify the formula of oxide of lithium

2nd period -	Li	Be	B	C	N	O	F	Ne
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Valency	- 1	2	3	4	3	2	1	0
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- a) LiO b) Li_2O c) LiO_2 d) Li_2O_3

6. In the second period the most metallic element is

- a) Be - as it has more protons b) Li - it is with least nuclear charge
c) F- as it is most electro negative d) Ne – as it has completely filled shell

7. Electronic configuration of carbon is

- a) 2, 2 b) 2, 3 c) 2, 4 d) 2, 5

8. Number of valence electrons found in the element with atomic number 19 is

- a) 1 b) 2 c) 3 d) 4

9) A, B, C, D, E are the elements belongs to group 1, 2, 13, 14, 16 respectively. Most electronegative element in the group is

- a) A b) D c) B d) E

10. Correct arrangement of the elements according to increasing order of their nuclear charge is

- a) $Li > Be > B > C > N > O > F$ b) $Li < B < Be < C < N < O < F$
c) $Li > B > Be > C > O > N > F$ d) $Li < Be < B < C < N < O < F$

11. Identify the element that has the tendency to lose the electrons most easily.

- a) Ca b) Na c) K d) Mg