WORKSHEET--2

1.Which of the following elements has maximum metallic character?

(A)Li (B)N

(C)Na (D)P

2.Which of the following sets of elements belongs to alkali metals?

(A)1,12,30,4,62 (B)37,19,3,55

(C)9,17,35,53 (D)12,20,56,88

3.Which of the following sets does not belong to a group?

(A)Li (B)B,C,N

(C)B,Al,Ga (D)O,S,Se

41.In the periodic table, the element with atomic number.16 will be placed in the group.

(A)Fourteen (B)Sixteen

(C)Thirteen (D)Fifteen

5.Which is not true about noble gases?

(A)They are non-metallic in nature

(B)They exist in atomic form

(C)They are radioactive in nature

(D)Xenon is the most reactive among these

6.Which of the following is not isoelectronic with O^{2-}

(A)N^{3-} (B)Na^{+}
(C)F^{-} (D)Ti^{+}

7.The increasing order of the atomic radii of the elements Na,Rb,K are Mg is:
(A)Na<K<Mg<Rb (B)K< Na<Mg<Rb
(C)Na< Mg<K<Rb (D)Mg<Na<K<Rb

8.The scientist who made maximum contribution towards periodic table was:
(A)Chadwick (B)Rutherford

(C)Dalton (D)Mendeleev

9.No of periods in the long form of periodic table is:
(A)6 (B)7
(C)10 (D)18

10.Long form of periodic table is based an the properties of the elements as a function of :

(A)Atomic size (B)Atomic mass

(C)Electronegativity (D)Atomic number

11.The maximum number of elements in the third period is:
(A)8 (B)18

(C)32 (D)between 8 and 18

12.Which of the folloeing has maximum non-metallic chaeacter?
(A)F (B)Cl

(C)Br (D)I

13.The correct order of the increasing radii of the elements Na,Si,Al,P is:

(A)Si,Al,P,Na (B)Al,Si,P,Na

(C)P,Si,Al,Na (D)Al,P,Si,Na

14.In the modern periodic table,the period indicates the value of:

(A)Atomic number (B)Atomic mass

(C)Main energy level (D)Atomic size

II] **Answer the following:**

1.Name :

a)Three Elements that have a single electron in their outermost shell.

b)Three elements that have two electrons in their outermost shells.

c)Three elements with filled outermost shells.

2.Nitrogen (Atomic number 7) and phosphorous (atomic number 15)belong to group 15 of the periodic table .Write their electronic configuration .Which of these is most electronegative and why?

3.The position of three Elements A ,B ,C in the periodic table are given below:

Group 16	Group 17
____	_____
_____	A
_____	_____
B	C

4.i)Name the elements present in the group I of the modern periodic table.

ii)Write the electronic configuration of the first three elements.

iii)What similarity is seen their electronic configuration ?

iv)How many valence electrons are present in these three elements?

5.The following table shows the positions of the elements A,B,C,D,E and F in the periodic table:

Groups/periods	1	2	3 to 12	13	14	15	16	17	18
2		A					B		C
3			D			E			F

Using the above table answer he following questions:

a)Whch element will form only covalent compounds?

b)Which elment is a metal with valency 2?

c)Which element is a non meatl with valency 3?

d)Out of D AND E ,Which one has a more atomic radius and why?

e)Write the common name for the family of elements C and F?

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