



# ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION

## WORKSHEET-33(CLASS-11)

### TOPIC- PERIODIC PROPERTIES

### SUBTOPIC-BASIC CONCEPT

**SUBJECT – CHEMISTRY**

**DURATION – 30 mins**

**F.M. - 15**

**DATE -17.08.20**



**1. Find the set of Bridge elements-**

- (a) Li, Mg
- (b) H, He
- (c) B, C
- (d) He, Li

**2. Which among the following is the most electropositive metal-**

- (a) Cs
- (b) Na
- (c) Ti
- (d) Fe

**3. The correct order for the electronegativity among I, Br and F-**

- (a)  $I > Br > F$
- (b)  $F > Br > I$
- (c)  $Br > I > F$
- (d)  $Br > I < F$

**4. Which among the following is not a determining factor of Electronegativity-**

- (a) Oxidation state
- (b) Hybridization state
- (c) Screening effect
- (d) Atomic radius

**5. Which of the following has the least electronegativity-**

- (a) H
- (b) F

- (c) I
- (d) C

**6. The reducing property of along the group-**

- (a) Decreases
- (b) Increases
- (c) Can't be predicted
- (d) Remains unchanged

**7. The correct order of electron affinity is-**

- (a)  $\text{Cl} > \text{F} > \text{Br} > \text{I}$
- (b)  $\text{F} > \text{O} > \text{Cl} > \text{Br}$
- (c)  $\text{F} > \text{Cl} > \text{Br} > \text{O}$
- (d)  $\text{O} > \text{F} > \text{Cl} > \text{Br}$

**8. The pair of elements those are wrongly matched-**

- (a) Ar & Xe
- (b) I & Cl
- (c) Na & K
- (d) Cs & At

**9. Which one is the most acidic among these?**

- (a) MgO
- (b)  $\text{Cl}_2\text{O}_7$
- (c)  $\text{Al}_2\text{O}_3$
- (d)  $\text{Na}_2\text{O}$

**10. Which one will have the highest Secondionisation energy?**

- (a)  $1s^2 2s^2 2p^6 3s^1$
- (b)  $1s^2 2s^2 2p^4$
- (c)  $1s^2 2s^2 2p^6$
- (d)  $1s^2 2s^2 2p^6 3s^1$

**11. Compounds having incomplete octet-**

- (a)  $\text{NH}_3$
- (b)  $\text{BF}_3$
- (c)  $\text{H}_2\text{O}$
- (d)  $\text{CH}_4$

**12. Which period contains maximum number of elements?**

- (a) 5
- (b) 7
- (c) 1
- (d) 6

**13. Which of the following is not a periodic property?**

- (a) Metallic character
- (b) Electronegativity
- (c) Oxidizing power
- (d) Hardness

**14. Which among the following is a chalcogens?**

- (a) O, Te, Se
- (b) Cu, K, Na
- (c) Au, Pt, W
- (d) Li, Na, B

**15. Which among the following has the maximum valency?**

- (a) Os
- (b) Th
- (c) Fr
- (d) At

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