



ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



Sub: Physical Science

Class: 8

Date: 01.07.20

Duration: 40 min

Worksheet Solution 52

Full Marks: 15

LANGUAGE OF CHEMISTRY

Choose the Correct options:

- The last electronic shell of an atom is called the
 - End shell
 - Penultimate shell
 - Valence shell**
- The valency of an element is determined by the number of electrons in the _____ shell
 - First shell
 - Penultimate shell
 - Valence shell**
- The valency of elements change along the period from
 - Positive to negative**
 - Negative to positive
 - Randomly
- Elements having variable valency include
 - Iron
 - Copper
 - Both**
- Atoms of all elements wish to attain a stable octet configuration. The exception is
 - Hydrogen**
 - Nitrogen
 - Oxygen
- An alkali metal _____ electrons to attain octet state
 - Loses**
 - Gains
 - Conducts
- A halogen _____ electrons to attain octet state
 - Loses
 - Gains**
 - Conducts
- Cuprous ion has a valency of
 - 1**
 - 2
 - 3
- Ferrous ion has a charge of
 - 1
 - 2**
 - 3
- Cupric ion has a charge of
 - 1
 - 2**
 - 3

11. Ferric ion has a charge of
- 1
 - 2
 - 3**
12. Sodium and potassium atoms differ only by
- The number of total subatomic particles
 - The number of electronic shells
 - Both**
13. Chlorine molecule is formed by
- Gaining electrons
 - Losing electrons
 - Sharing electrons**
14. The valency of carbon is
- 2
 - 3
 - 4**
15. The valency of inert elements is
- 0**
 - 1
 - 2