

WELLAND GOULDSMITH SCHOOL

Class VIII

Subject : Chemistry

Assignment 1 Answer Key

I.

a. Dissolution of sugar in water - Physical change

Reason: Sugar crystals can be obtained on evaporation

b. Rusting of iron - Irreversible change

Reason: New substance produced. Original iron cannot be obtained

c. Magnetisation of an iron nail - Physical change

Reason: Iron nail loses its magnetism on removal of magnet.

d. Ripening of fruit - Desirable change

Reason: Ripe fruits can be eaten

e. Flowering of plants - Natural change

Reason: Plants produce flowers on their own if they get favourable condition

f. Freezing of water.- Reversible change

Reason : Ice changes to liquid water on melting

II.

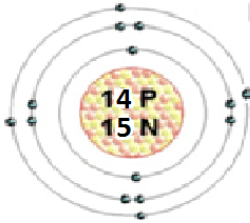
a. Atomic number = 13 ; Mass Number = 27

b. Neutrons = 14 ; Protons = 13 ; electrons = 13

c. Aluminium

d. Al

e



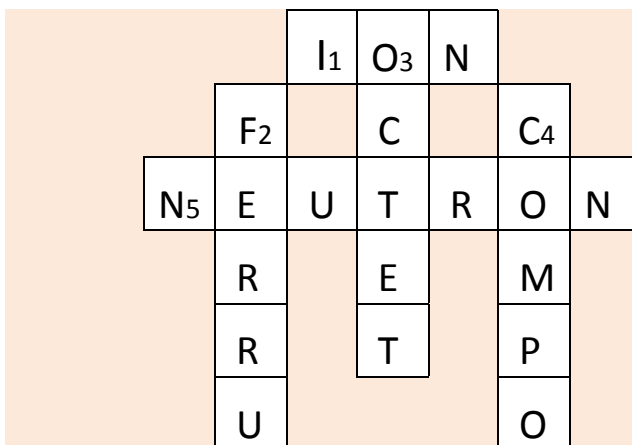
III. Solve the crossword puzzle.

Across

1. A charged particle
5. Neutral particles present in the nucleus of an atom
6. Basic unit of an element

Down

2. Latin name for iron
3. 8 electrons in the outermost shell of an atom
4. Two or more elements present in fixed ratio by mass



A ₆	T	O	M		U
					N
					D

IV.

1. Liquid

2. Solid

3. Gas

4. Gas

5. Gas

6. Solid