

GIRLS' HIGH SCHOOL & COLLEGE, PRAYAGRAJ

WORKSHEET – 1

SESSION – 2020-21

CLASS – 6 A, B, C, D, E & F

SUBJECT – CHEMISTRY

NOTE – Parents are suggested to help and guide the student in understanding the topic and solving the questions. You can refer to the ICSE class 6 books, Internet and YouTube.

CHAPTER 1 – What is Chemistry about?

TOPIC – How Chemistry evolved

Please read the following passage carefully and thereafter answer the questions-

Chemistry is the study of substances and their transformations.

Substances – Everything around us – air, water, a pen, a pencil, a toy is made up of matter. Anything that takes up space and has mass is matter.

Transformation – Transformation is a kind of change. There are two kinds of changes; Physical and Chemical. In a physical change there is no change in substance e.g. melting of ice. In chemical change the substance changes e.g. burning of paper.

Chemical Reaction – When there is a chemical change in a substance we say a chemical reaction has taken place.

Chemical – A substance formed by or used in a chemical reaction is called a chemical.

How Chemistry Evolved – Before Chemistry of today there was Alchemy. Broadly, alchemists had the following two aims:

1. Converting cheaper metals into Gold 2. Searching for the elixir of life

Later Alchemy was proved incorrect. This was the origin of Modern Chemistry.

Modern Chemistry is believed to have begun with Lavoisier in the 18th Century. Several elements were discovered and today the number is 115.

Compound: When two or more elements combine together a compound is formed.

Atom: Dalton gave the concept of Atom. The smallest part an element is made of is an atom.

Molecule: When atoms of different elements combine together molecule is formed.

Q1- What happens during a physical and a chemical change? Explain in detail with one example of each.

Q2-What is Chemistry?

Q3-What is a chemical reaction?

Q4-What is a chemical?

Q5-Name the following-

(i) The smallest part of an element- (ii) The scientist who gave the concept of an atom- (iii) A term for those substances which are formed by combining of two or more elements- (iv) A term for the particle formed by combining of two or more elements- (v) A term for the space occupied by an object-

Q6- Represent diagrammatically a physical change and a chemical change.