

UNIT ONE

Unit One : Worksheet One

Definition and Scope of Chemistry

4. The branch of science that involves the study of chemical reaction in living things.

- a) Biology
- c) Biochemistry
- b) Biophysics
- d) physics

5. The branches of natural science studying the composition of compounds and the processes taking place in organisms, respectively, are:

- a) Chemistry and Biology
- c) Biology and Physics
- b) Physics and Geology
- d) Biology and Geology

6. Which of the following is not under the scope of chemistry?

- a) Role of chemistry in war
- b) In transport and communication
- c) Entertainment
- d) Building materials
- e) None

7. Which of the following are problems by progress in chemistry:

- a) Disposal of nuclear waste poses a serious problem to humanity.
- b) Antibiotics have eliminated infectious diseases but their overuse is very harmful.
- c) Use of polythene bags is posing a serious threat to sewerage system.
- d) All

I. Match the terms in column “A” with a suitable description in column “B”

(Put the correct number in the space provided)

1. Structure of substance	.....Is the science that deals with the properties, composition, and structure of substances
2. Property of substance	..... a particular kind of matter with uniform properties.

3. Chemistry	.....a physical substance, that which occupies space and possesses rest mass.
4. Transformation of substance	..... the nature of something's ingredients or constituents; how a whole or mixture is made up.
5. Substance	..... Is the attribute, quality, or characteristic of a substance
6. Composition of substance	..... The arrangement and relationships between the parts or elements of something complex
7. Matter	..... change in form, nature, or appearance of a substance

II. Match the correct chemical products in column "B" with the suitable areas listed in

column "A"

1. Building areas	.....Pesticides, Insecticides, Herbicides, Fungicides, Algaecides, Fertilizers, Soil conditioners.
2. Agriculture	..... hydrochloric acid, acetic anhydride, benzyl chloride, diethyl ether
3. Medicine	..... preservatives, sweeteners, backing soda, calcium chloride, flavor enhancers
4. Food production	.....Epoxy Adhesives, Hardeners, water proofing chemicals