

UNIT ONE

Unit One : Worksheet One

Definition and Scope of Chemistry

1. Which branch of science studies the structure of matter?
 - a) Chemistry
 - b) Biology
 - c) Physics
 - d) Paleontology
2. The terms deals with the properties, composition, structure and transformation of substances fit under which branch of science?
 - a) Chemistry
 - b) Biology
 - c) Biochemistry
 - d) Physical science
3. The terms chemical change and physical change fit under which branch of science?
 - a) Biochemistry
 - b) Biology
 - c) Physics
 - d) Chemistry

4. The branch of science that involves the study of chemical reaction in living things.
 - a) Biology
 - b) Biophysics
 - c) Biochemistry
 - 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
 - b) Physics and Geology
 - c) Biology and Physics
 - 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)

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| 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. |

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| 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"

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| 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 |