

# ICSE CHEMISTRY 6

## Chapter 1: Introduction to Chemistry

### Worksheet 1

#### 1. Write T for true and F for false statement.

- (i) Science is the systematic study of the world around us.
- (ii) A person who has specialisation in chemistry is called a doctor.
- (iii) Dmitri Mendeleev recognised and named oxygen.
- (iv) Synthetic fibres get dried quickly.
- (v) Natural fibres are biodegradable.

#### 2. Give one word for the following.

- (i) Chemicals used to kill or control insects.
- (ii) The branch of science that deals with the study of living organisms.
- (iii) A chemical used to kill germs present in water.
- (iv) A cylindrical rod made of glass which is used to stir liquids.
- (v) A chemist who studies the nutrients present in food.

#### 3. Answer these questions.

- (i) What do you mean by science?
- (ii) What is a flask? Name its different kinds.
- (iii) Write two advantages of natural fibres.
- (iv) Define medicinal chemists. In which forms can medicines be found?
- (v) Write one use of polyester.

#### 4. Diagram-based questions.

- (i) Draw a mortar and pestle.
- (ii) Draw a tripod stand.

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## Worksheet 2

### 1. Fill in the blanks with suitable words.

- (i) The branch of science that deals with the study of behaviour and nature of matter, energy and measurement is called \_\_\_\_\_.
- (ii) A \_\_\_\_\_ is a thin glass tube with an open top and a rounded U-shaped bottom.
- (iii) A radioactive element with atomic number 101 is called \_\_\_\_\_.
- (iv) Nylon is a kind of \_\_\_\_\_ fibre.
- (v) \_\_\_\_\_ fibres are not environment friendly.

### 2. Match the columns.

#### Column A

- (i) Dmitri Mendeleev
- (ii) Antoine Lavoisier
- (iii) Silk
- (iv) Terylene
- (v) John Dalton

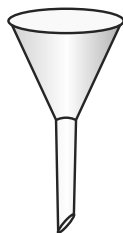
#### Column B

- (a) Atomic theory
- (b) Natural fibre
- (c) Synthetic fibre
- (d) Oxygen
- (e) Periodic table

### 3. Answer these questions.

- (i) Who won Nobel Prize twice, once in physics and once in chemistry?
- (ii) Name two natural fibres except silk.
- (iii) Why are synthetic fibres called nonbiodegradable fibres?
- (iv) Write two uses of nylon.
- (v) Is potassium permanganate used to kill germs present in water?

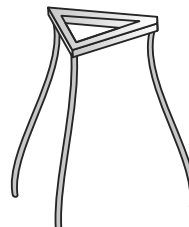
### 4. Identify and write the name of the given apparatuses.



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