

ICSE Class 6 Chemistry Important Questions

1. Choose the correct answer out of the four available choices given under each question.

(a) A glass tube made of pyrex is called a

- i. Heating tube
- ii. Boiling tube
- iii. Melting tube
- iv. Cracking tube

(b) Frost is the _____ state of water.

- i. Solid
- ii. Liquid
- iii. Gas
- iv. Vapour

(c) Which of the following is a good conductor of heat?

- i. Wood
- ii. Rubber
- iii. Cotton
- iv. Copper

2. Define Valency.

3. Fill in the blanks and rewrite the sentences:

- i. A molecule of nitrogen consist of _____ atoms of element nitrogen only.
- ii. A compound is formed by combination of at least _____ elements.
- iii. In solids, the molecules are _____.
- iv. _____ retain their shape.
- v. Water is _____.

4. Define Diatomic molecule

5. State a method to separate the following mixtures:

- i. Separating stone particles from wheat grains
- ii. Separating heterogeneous solid–liquid mixtures
- iii. Separating saw dust from water
- iv. Separating mixture of oil and water
- v. Separating cream from milk

6. Define Weathering.
7. Write a note on the water cycle. Explain it with the help of a diagram.
8. Define Condensation.
9. Give the principle of sublimation with an example.
10. Distinguish between element and compound.
11. Define Intermolecular force.
12. Distinguish between physical and chemical changes.
13. State which of the following statements are false. Rewrite the correct statements, if false:
 - i. Air is all around.
 - ii. Air cannot be compressed.
 - iii. Nitrogen is the major component of air
 - iv. Aquatic animals do not breathe the air dissolve in water.
 - v. All living organisms breathe air to remain alive.
14. Match the important chemical compounds in Column A with its uses in column B.

Column A	Column B
1. Fertilisers	1. help in killing weeds which grows along with the crops
2. Insecticides	2. help in killing pests like rats, snakes etc. which destroys the crop
3. Fungicides	3. help in improving soil's fertility
4. Herbicides	4. help in destroying fungi that destroys crops
5. Pesticide	5. help in killing insects that infect and destroys crops

15. Describe a burette, wire-gauze and test tube. Give their uses.

16. Write the techniques used for separating the following mixtures:

- i. Husk and wheat
- ii. Pebbles from pulses
- iii. Pure copper sulphate from impurities
- iv. Sugar from sugar solution
- v. Pure water from impure water

17. Write a note on the structure of atom.

18. Nitrogen present in the air is essential for the growth and development of plants. Give reason.

19. State the characteristics of states of matter.

20. Explain the working of sublimation.