

CLASS – 5

SUBJECT-SCIENCE WORKSHEET

TOPIC: AIR AND WATER

Answer Key

EXERCISE:-

I. Fill in the blanks:-

1. potable water
2. soluble, insoluble
3. carbon-dioxide
4. humidity

II. Write True or False:-

1. True
2. False
3. False
4. True
5. True

III. Complete the following exercise at the end of the chapter:-

A.

1. Nitrogen
2. dropper, syringe
3. boiling
4. filtration
5. Chlorine

B.

1. Allow the mud particles in a sample of muddy water to settle down at the bottom as sediments. This is called sedimentation. The clear water can be seen at the top. The sediments can be removed from water by gradually pouring the clear water into another container without disturbing the sediments. This way we can separate mud from muddy water.

2. The methods by which insoluble substances are separated from water are decantation, sedimentation and filtration.

3. Inflate two balloons of the same size. Tie the balloons to the ends of a stick. Tie a string to the middle of the stick and make sure the balloons are balanced. The

weight on either end of the stick is now equal. Now, take a sharp needle and prick one of the balloons near its neck. The air escapes through this pin-hole slowly. You will see that the other balloon slowly brings the scale down at its end. This shows that the balloon with air in it is heavier. This states that Air is a matter.

4. Oxygen in the air is continuously being used up in the process of burning and breathing. Burning and breathing both give out carbon dioxide. The green leaves of the plants take in carbon dioxide during the process of photosynthesis to make their food and release oxygen gas. In this way, the balance between the oxygen and carbon dioxide has been maintained.

5. The main causes of air pollution are :-

a) Air is polluted by smoke produced by burning coal or wood.

b) Air is polluted by the gases given out by the automobiles and the factories.

Two adverse effects are:-

a) It causes diseases like bronchitis and asthma. Also irritation in eyes and skin.

b) It destroys the ozone layer in the atmosphere. (The ozone layer protects us from the harmful UV rays of the Sun.)

C.

1. Inhaled

2. Oxygen

3. evaporation, distillation

4. barometer

D.

Column A

Column B

1.

e.

2.

a.

3.

d.

4.

c.

5.

b.

E.

1. True

2. True

3. False

4. True

5. False

x