



Worksheet

Grade 5- EVS

Chapter 5- Air and Water

Choose the correct Answer:

1. The uppermost layer of atmosphere is known as
 - (a) Ionosphere
 - (b) Troposphere
 - (c) Stratosphere
 - (d) Exosphere
2. Which among the following does not cause pollution?
 - (a) Automobiles
 - (b) Thermal power plant
 - (c) Hydro-electric plant
 - (d) Nuclear power plant
3. The equipment to measure atmospheric humidity is
 - (a) Anemometer
 - (b) Psychrometer
 - (c) Hydrometer
 - (d) Lysimeter
4. The mass of water vapour in a unit mass of air is referred to as
 - (a) relative humidity

- (b) specific humidity
- (c) approximate humidity
- (d) absolute humidity

5. The ozone layer is present in

- (a) Thermosphere
- (b) Stratosphere
- (c) Troposphere
- (d) Mesosphere

6. The main constituents of atmosphere are

- (a) N₂ and O₂
- (b) CO₂ and N₂
- (c) CO and CO₂
- (d) O₃ and SO₂

7. If an object is present at a distance of 5 km from the surface of the earth, it is present in

- (a) Troposphere
- (b) Thermosphere
- (c) Mesosphere
- (d) Stratosphere

8. The process of settling down of heavy particles is called

- _____.
- (a) decantation
 - (b) sedimentation
 - (c) both (a) and (b)
 - (d) none of these

9. Sedimentation can separate only insoluble heavy particle from a _____.

- (a) liquid

- (b) solid
 - (c) gas
 - (d) none of these
10. _____ is a common method of separation to separate tea leaves from water.
- (a) filtration
 - (b) decantation
 - (c) sedimentation
 - (d) all of these
11. Nitrogen, _____, and carbon dioxide are main gases in air.
- (a) hydrogen
 - (b) helium
 - (c) oxygen
 - (d) none of these
12. The gas needed for burning.
- (a) carbon dioxide
 - (b) oxygen
 - (c) nitrogen
 - (d) hydrogen
13. Which of these gases is present in a very small quantity in air and is very important to plants.
- (a) Oxygen
 - (b) carbon dioxide,
 - (c) nitrogen
 - (d) inert gas
14. Which of these protect us from the harmful rays of the sun?
- (a) ozone
 - (b) stratosphere
 - (c) ionosphere
 - (d) hydrosphere

Fill in the blanks:

15. The _____ is the layer of atmosphere that is closest to the surface of the Earth.
16. The substance that do not dissolve in water said to be there _____ in water.
17. Meteors burn in the _____.
18. In the chlorination process _____ is added to water to kill germs.
19. _____ is a method of separating particles from water using a filter or sieve.

State whether true or false:

20. Jet plane is usually fly in the stratosphere.
21. The Mesosphere is the outermost layer of the atmosphere?

23. Screening is a method of water purification that involves adding chemicals to kill bacteria.

24. Sedimentation and decantation are often used together.

25. Distillation can be used to separate dissolved salt from water.

Name the following:

26. It is the furthest of the atmosphere.

27. This is the third layer of the atmosphere.

28. This layer lies above the Mesosphere and extend about 500 to 600 km above the Earth surface.

29. The process of pouring clear water after sedimentation.

30. Treatment of drinking water with chlorine to kill germs.

Match the following:

- | | | |
|------------------|---|-----------------------------------------------------------------------------|
| 1. sedimentation | ● | ● a. pouring the clear water, leaving settled impurities behind. |
| 2. decantation | ● | ● b. allowing particles to settle at the bottom. |
| 3. filtration | ● | ● c. using a barrier to remove larger impurities from water. |
| 4. distillation | ● | ● d. heating water to form vapour and then cooling it to obtain pure water. |
| 5. screening | ● | ● e. using a filter or sieve to separate particles from water. |

