

CBSE Class 8 Science
NCERT Exemplar Solutions
CHAPTER – 18
POLLUTION OF AIR AND WATER

MULTIPLE CHOICE QUESTIONS

1. Air is a mixture of various gases. One of the gases is 21% part of the air and is essential for the survival of human beings. This gas is

- (a) nitrogen**
- (b) oxygen**
- (c) ozone**
- (d) argon**

Ans: (b) Oxygen

Explanation: Oxygen occupies 21% part of the air and is essential for the survival of human beings.

2. Which of the following is not a source of air pollution ?

- (a) automobile exhaust**
- (b) burning of firewood**
- (c) windmill**
- (d) power plant**

Ans: (c) windmill

Explanation: Unlike windmill the exhaust from automobile, burning of firewood, and power plant release many hazardous gases into the atmosphere leading to air pollution.

3. Boojho wishes to contribute in reducing air pollution. Which vehicle should he use for going to school ?

- (a) car**

- (b) school bus
- (c) autorickshaw
- (d) scooter

Ans: (b) school bus

Explanation: Using school bus for going to school will reduce air pollution. This is because many students can travel in the same bus thereby reducing the amount of pollution caused by many cars or scooters.

4. Which of the following is not a way to conserve water ?

- (a) replace
- (b) reduce
- (c) reuse
- (d) recycle

Ans: (a) replace

Explanation: Replacing is not a way to conserve water. Because the benefits obtained by water cannot be obtained by any other fluid.

5. The type of pollution which is likely to affect Taj Mahal in Agra to a greater extent is:

- (a) air pollution
- (b) water pollution
- (c) soil pollution
- (d) noise pollution

Ans: (a) air pollution

Explanation: Taj Mahal is getting damaged due to acid rain. Use of fossil fuels like coal and diesel release Sulphur and nitrogen dioxides which causes acid rain and can lead to mass destruction of monuments made up of brickwork or marbles and can affect the crops as well due to acidification of soil.

6. Incomplete combustion of fuel such as petrol and diesel gives

- (a) nitrogen oxide
- (b) sulphur dioxide
- (c) carbon monoxide
- (d) carbon dioxide

Ans: (c) carbon monoxide

Explanation: Incomplete combustion of fuel such as petrol and diesel release unburnt carbon particles and carbon monoxide into the atmosphere.

7. The phenomenon of marble cancer is due to

- (a) soot particles
- (b) CFCs
- (c) fog
- (d) acid rain

Ans: (d) acid rain

8. Potable water is the water which is

- (a) obtained from a river.
- (b) obtained from a lake.
- (c) pure and fit for drinking.
- (d) used only for washing clothes.

Ans: (c) pure and fit for drinking.

9. Which of the following procedures will give you water free from all impurities ?

- (a) adding chlorine tablets
- (b) distillation
- (c) boiling
- (d) filtration

Ans: (b) distillation

Explanation: Distillation of water will make it free from all impurities.

10. A pond contains clean water. Which of the following activities will produce least pollution of water ?

- (a) washing clothes in the pond
- (b) animals bathing in the pond
- (c) washing motor vehicles in the pond
- (d) swimming in the pond.

Ans: (d) Swimming in the pond

Explanation: Swimming in the pond will produce less pollution as there will be no release of toxic chemicals.

11. Trees help in reducing the pollution of our environment. Lakhs of trees are planted by people in the month of July every year. The occasion is called

- (a) forest Conservation Day
- (b) plantation month
- (c) Van Mahotsav
- (d) wildlife week

Ans: (c) Van Mahotsav

Explanation: The day on which Lakhs of trees are planted by people in the month of July every year is called Van Mahotsav.

12. Which of the following is not a greenhouse gas ?

- (a) nitrogen gas
- (b) water vapour
- (c) methane gas
- (d) carbon dioxide

Ans: (a) nitrogen gas

Explanation: Nitrogen is not a greenhouse gas. Gases like methane, nitrous oxide and water vapour, CO_2 are called greenhouse gases.