

Chapter-5

Worksheet-2

1. Top soil is the best for the vegetation. The main components of this productive top layer are:

- (a) Humus and living organisms only
- (b) Humus and soil particles only
- (c) Humus, living organisms and plants
- (d) Humus, living organisms and soil particles

2. The process of nitrogen fixation by bacteria does not take place in the presence of:

- (a) Molecular form of hydrogen
- (b) Elemental form of oxygen
- (c) Water
- (d) Elemental form of nitrogen

3. The atmosphere of the earth is heated by radiations which are mainly

- (a) radiated by the sun
- (b) re-radiated by land
- (c) re-radiated by water
- (d) re-radiated by land and water

4. If there were no atmosphere around the earth, the temperature of the earth will

- (a) increase
- (b) go on decreasing
- (c) increase during day and decrease during night
- (d) be unaffected

5. What would happen, if all the oxygen present in the environment is converted to ozone?

- (a) We will be protected more
- (b) It will become poisonous and kill living forms
- (c) Ozone is not stable, hence it will be toxic
- (d) It will help harmful sun radiations to reach earth and damage many life forms

6. One of the following factors does not lead to soil formation in nature

- (a) the sun
- (b) water
- (c) wind
- (d) polythene bags

7. The two forms of oxygen found in the atmosphere are

- (a) water and ozone
- (b) water and oxygen
- (c) ozone and oxygen
- (d) water and carbon-dioxide

8. The process of nitrogen-fixation by bacteria does not take place in the presence of

- (a) molecular form of hydrogen
- (b) elemental form of oxygen
- (c) water
- (d) elemental form of nitrogen

9. Rainfall patterns depend on

- (a) the underground water table
- (b) the number of water bodies in an area
- (c) the density pattern of human population in an area
- (d) the prevailing season in an area

10. Among the given options, which one is not correct for the use of a large amount of fertilisers and pesticides?

- (a) They are eco-friendly
- (b) They turn the fields barren after some time
- (c) They adversely affect the useful component from the soil
- (d) They destroy the soil fertility

11. What are biodegradable pollutants?

12. Why does the percentage of gases like oxygen, nitrogen and carbon dioxide remain almost the same in the atmosphere?

13. What causes acid rain?

14. What is smog?
15. How is a balance maintained in the environment?
16. What are the two main sources of air pollution?
17. What are aerosols?
18. What are the factors determining the soil type?
19. How do fossil fuels cause air pollution?
20. Carbon dioxide is necessary for plants. Why do we consider it as a pollutant?