

Chapter – 5 Worksheet-3

1. Substances that are not broken –down by biological processes are said to be
2. Organisms can be groups as producers, consumers and according to the manner in which they obtain their substance from the environment.
3. The decomposers comprising micro-organisms like and.....
4. The materials which are locked up in dead complex organic substance is made available to plants in the form of simple inorganic substance by the
5. Every food chain starts from.....
6. In an ecosystem the function of the producers is to
 - (a) Convert organic compounds into inorganic compounds
 - (b) Trap solar energy and convert it into chemical energy
 - (c) Utilize chemical energy
 - (d) Release energy
7. Pyramid of energy in a forest ecosystem is
 - (a) Always inverted
 - (b) Always upright
 - (c) Both upright and inverted depending on ecosystem
 - (d) First upright then inverted

8. The biotic and abiotic components interacting with each other in a pond form
 - (a) a community
 - (b) a population
 - (c) an ecosystem
 - (d) a biome

9. Ozone layer is essential because it absorbs most of the
 - (a) Infrared radiations
 - (b) heat
 - (c) solar radiation
 - (d) ultraviolet – radiation

10. Which of the following is a biodegradable waste?
 - (a) Radioactive wastes
 - (b) Aluminum cans
 - (c) DDT
 - (d) Cattle dung

11. Write the main objective of conservation of biodiversity.

12. State in brief ways in which non – biodegradable substances would affect the environment. List two methods of safe disposal of the non – biodegradable waste.

13. Define trophic levels?

14. In a food chain, if 10,000 joules of energy are available to producer, how much energy will be available to the secondary consumer to transfer it to the tertiary consumer?

15. Why are non – biodegradable substances not broken down by microbes?
16. List two artificial ecosystems.
17. Consider a food chain consisting of –
Wheat, rat, snakes, peacock
What will happen if all the snakes are killed?
18. Pesticides added to a field is seen in increased amounts in the crop and in the birds that feed on them. What is this phenomenon called?
19. Differentiate between a food-chain and a food-web.
20. Why ozone is deadly poisonous; still it performs an essential function. How?