



Class 10 Science | Our Environment

MCQ WORKSHEET • 15 questions • Choose one correct option • Suggested time: 25 minutes

1. In a grass → grasshopper → frog food chain, the frog is a:

- A. Secondary consumer B. Primary consumer
C. Decomposer D. Producer

2. The first trophic level consists primarily of:

- A. Carnivores B. Parasites
C. Herbivores D. Producers

3. If producers contain 10000 J, approximately how much reaches primary consumers by the 10% rule?

- A. 10000 J B. 1000 J C. 9000 J D. 100 J

4. In grass → deer → tiger, grass has 20000 J. Approximate energy reaching tigers is:

- A. 2000 J B. 20 J C. 200 J D. 20000 J

5. Energy flow through a food chain is mainly:

- A. Unidirectional
B. Independent of producers
C. From consumers to the Sun
D. Completely cyclic

6. Bacteria and fungi decomposers mainly help by:

- A. Preventing all decay
B. Removing every gas from air
C. Creating solar energy
D. Recycling nutrients from dead matter

7. Which material is usually biodegradable?

- A. Polyethylene bag B. Vegetable peel
C. Aluminium foil D. Glass bottle

8. Which is an abiotic component of an ecosystem?

- A. Sunlight B. Grass C. Fungus D. Earthworm

9. A food web is formed by:

- A. Animals of one species only
B. Interconnected food chains
C. Only decomposers
D. Only one producer and one consumer

10. Biomagnification is most likely for a pollutant that is:

- A. Rapidly broken down and excreted
B. Always biodegradable
C. Persistent and accumulates in tissues
D. Only pure water

11. In water → algae → small fish → large fish, a persistent pesticide is usually most concentrated in:

- A. Large fish B. Small fish C. Algae D. Water

12. The ozone layer protects life mainly by absorbing:

- A. All visible light B. Ultraviolet radiation
C. Sound waves D. Radio broadcasts

13. Which group of chemicals has contributed to ozone depletion?

- A. Proteins B. Ordinary sugars
C. Cellulose D. CFCs

14. Removing all decomposers would most directly reduce:

- A. Incoming sunlight
B. Water's molecular mass
C. Nutrient recycling
D. Earth's rotation

15. A plant-eating insect is eaten by a bird, which is eaten by a hawk. The hawk occupies the:

- A. Second trophic level B. First trophic level
C. Fourth trophic level D. Third trophic level

ANSWER KEY — check after completing all 15 questions

1.A 2.D 3.B 4.C 5.A 6.D 7.B 8.A 9.B 10.C 11.A 12.B 13.D 14.C 15.C