

# Class 10 Our Environment Important MCQs Worksheet

1. Which group of organisms are not the constituents of a food chain?
  - i. Grass, lion, rabbit, wolf
  - ii. Plankton, man, fish, grasshopper
  - iii. Wolf, grass, snake, tiger
  - iv. Frog, snake, eagle, grass, grasshopper

A. i and iv  
B. i and ii  
C. i and iii  
D. ii and iii
2. The percentage of solar radiation absorbed by all the green plants for the process of photosynthesis is about:

A. 5%  
B. 6%  
C. 1%  
D. 10%
3. The decomposers in an ecosystem
  - A.convert inorganic material, to simpler forms
  - B.do not breakdown organic compounds
  - C.convert organic material to inorganic forms
  - D.convert inorganic materials into organic compounds
4. Accumulation of non-biodegradable pesticides in the food chain in an increasing amount at each higher trophic level is known as
  - A. pollution
  - B. accumulation

- C. eutrophication
- D. biomagnification

5. In an ecosystem, the 10% of energy available for transfer from one trophic level to the next is in the form of

- A. chemical energy
- B. Heat energy
- C. light energy
- D. mechanical energy

6. Organisms that synthesize carbohydrates from inorganic compounds using radiant energy are called

- A. carnivores
- B. producers
- C. decomposers
- D. parasites

7. Organisms of a higher trophic level that feed on several types of organisms belonging to a lower trophic level constitute the

- A. ecological pyramid
- B. food web
- C. food chain
- D. ecosystem

8. At which trophic level is the maximum energy available?

- A. T1
- B. T2
- C. T3
- D. T4

9. The problem caused due to ozone hole is

- A. acid rain
- B. earthquakes
- C. damage due to UV radiations and rays

D. chemical pollution

10. In a given food chain if the amount of energy at the fourth trophic level is 6 kJ, what will be the energy available at the producer level?

- A. 600 kJ
- B. 60 kJ
- C. 300 kJ
- D. 6000 kJ

Answers:

- 1. D
- 2. C
- 3. C
- 4. D
- 5. A
- 6. B
- 7. B
- 8. A
- 9. C
- 10. D