



INDIAN SCHOOL NIZWA - WORKSHEET

BIOLOGY CH:13- OUR ENVIRONMENT (BQ)

Name: _____

Date: _____

Class: X Sec: ____

1.	In a food chain consisting of snake, insect, grass and frog, assign an appropriate trophic level to frog. (Board Question)
2.	What is food chain? Give its characteristics. Explain how energy flows through different trophic levels in a food chain.
3.	Producers always occupy the first trophic level in any food chain. Why? (Board Question)
4.	The flow of energy in the food chain is unidirectional why? (Board Question)
5.	In the following food chain 5 j of energy is available to man. How much energy was available at producer level ? Plants → sheep → man (Board Question)
6.	(a)What are decomposers ? (Board Question) (b)State in brief the role of decomposers in the environment. C)What will be the consequence if the decomposers are completely eradicated from an ecosystem?
7.	Which one of the following is always at the third trophic level in a food chain? Carnivores, herbivores, producers, decomposers
8.	Which of the following belonging to a food chain is likely to have maximum concentration of harmful chemicals in its body? Peacock, Frog, Snake, Grass hopper. (Board Question)
9.	In the following food chain, grass provides 4000J of energy to the grasshopper. How much energy will be available to snakes and frogs? GRASS --- GRASSHOPPER –FROGS –SNAKES (Board Question)
10.	Natural water bodies are not regularly cleaned whereas an aquarium needs regular cleaning. Why?
11.	What is meant by the term food chain? “The number of trophic levels in a food chain is limited.” Give reason to justify this statement (Board Question)
12.	a) Create a food chain of the following organisms: Insects, Hawk, Grass, Snake, Frog b) Name the organism at the third trophic level of the created food chain. c) Which organism of this food chain will have the highest concentration of non-biodegradable chemicals? d) Name the phenomenon associated with it. e) If 10,000 joules of energy is available to frogs, how much energy will be available to snakes in this food chain (Board Question)
13.	Use of paper bags is more environment friendly than the use of polythene bags for packaging. Justify
14.	What is ozone? How ozone molecule is formed in the atmosphere? How does it protect the earth? (Board Question)