



INDIAN SCHOOL NIZWA - WORKSHEET

BIOLOGY

CH:15- OUR ENVIRONMENT (BQ)

Name: _____

Date: _____

Class: X Sec: ____

1.	<p>The Foodweb is constituted by:</p> <p>(a) relationship between the organisms and the environment</p> <p>(b) relationship between plants and animals</p> <p>(c) various interlinked food chains in an ecosystem</p> <p>(d) relationship between animals and the environment</p>
2.	<p>Which of the following are biodegradable substances?</p> <p>(a) Glass bottle, Grass</p> <p>(b) Jutebag, polythene bag</p> <p>(c) Cotton cloth, vegetable peels</p> <p>(d) DDT, Pen refill.</p>
3.	<p>Which of the following limits the number of trophic levels in a food chain?</p> <p>(a) Decrease in energy at higher trophic levels</p> <p>(b) Deficient food supply</p> <p>(c) Polluted air</p> <p>(d) Water</p>
4.	<p>Which organism shown in the food chain above would contain the greatest concentration of chemical pollutants?</p> <p>Phytoplankton → Krill → Small fish → Tuna → Shark</p> <p>(a) Phytoplankton</p> <p>(b) Krill</p> <p>(c) Tuna</p> <p>(d) Shark</p>
5.	<p>Assertion (A): Ozone shields the surface of the earth from ultraviolet radiation from the sun.</p> <p>Reason (R): Ozone at the higher levels of the atmosphere is a product of UV radiations acting on oxygen molecules.</p>
6.	<p>Assertion (A): Improvements in our lifestyle have resulted in lesser amounts of waste material generation.</p> <p>Reason (R): Changes in packaging have resulted in much of the waste generated being non-biodegradable.</p>
7.	<p>The flow of energy in the food chain is unidirectional why?</p>



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8.	In the following food chain 5 j of energy is available to man. How much energy was available at producer level ? Plants → sheep → man
9.	Which of the following belonging to a food chain is likely to have maximum concentration of harmful chemicals in its body? Why? Explain Peacock, Frog, Snake, Grass hopper.
10.	Why is the Government stressing upon the use of jute / cloth carry bags? OR Use of paper bags is more environment friendly than the use of polythene bags for packaging. Justify
11.	What is ozone? How ozone molecule is formed in the atmosphere? How does it protect the earth?
12.	Natural water bodies are not regularly cleaned whereas an aquarium needs regular cleaning. Why?
13.	CBQ Series of organisms taking part at various biotic levels form a food chain. Each step or level of the food chain forms a trophic level. The autotrophs or the producers are at the first trophic level. They fix up the solar energy and make it available for heterotrophs or the consumers. The herbivores or the primary consumers come at the second, small carnivores or the secondary consumers at the third and larger carnivores or the tertiary consumers form the fourth trophic level. The interactions among various components of the environment involve flow of energy from one component of the system to another. A) What are trophic levels? B) Give an example of a food chain. C) What is the role of decomposers in the ecosystem? D) Explain why the number of trophic levels in a food chain is limited?