

SALWAN PUBLIC SCHOOL, RAJENDRA NAGAR
CLASS – X
LESSON PLAN
CHAPTER-15: OUR ENVIRONMENT

Topic	Our Environment
Class Transaction	Total: 3-4 periods (approx. 35 min each) Sub-topics: 1.Ecosystem 2.Trophic levels 3. Food Chain and food web 4. Energy flow through the food chain 5. Ozone Depletion
Pre-requisite for the course	Students should previously know the 1. Importance of organisms in environment 2. Role of organisms in environment 3. Types of organisms in environment 4. Ozone Depletion
Learning Objectives	Students will be able to: - Explain the relationships between the organisms in environment - Draw a food chains - Correlate trophic levels and flow of energy between them - Explain ozone depletion in detail
Methodology (The teacher can use the mentioned techniques, wherever applicable ,and can use any other too.)	<i>Transaction would proceed in the following manner-</i> <i>Brain Storming-</i>The class would start with a discussion on what the students have already learnt in the previous classes and hence what is it that they would learn now. They would also be told the significance of the topic that they would be studying. Methodology – Lecture-cum discussion Method, Demonstration method Introduction of the topic- Teacher will introduce the topic by writing some names of the organisms and will ask them to correlate them. Teacher can also show a video where food chain/food web are related in an environment. Explanation: Teacher will explain the types of organisms present in the environment by giving examples. Teacher can also ask for different types of habitats present on earth. Sample Question 1. Do you think you can made artificial natural system. Sample Question 2. Give examples of some natural and artificial habitats. Explanation- Teacher will explain the ecosystem and its types giving examples from the textual material and video shown. Natural and artificial system can also be detailed using the examples. - Trophic levels present in an ecosystem will be detailed by drawing a diagram of a food chain. - All components of a food chain i.e; producers, consumers and decomposers will be discussed in correlation. - 10% law of energy transfer will discussed using an example of food chain.

	- Role of a food chain will be discussed in biological magnification. - Ozone formation and its depletion will be discussed using digital content and images along with other environmental hazards.
Learning Outcomes	After the completion of the topic, learners will be able to: - Draw a food chain with proper mentioning of trophic levels. - Explain biological magnification - Signify the role of decomposers in cleaning the environment - Detail 10% law of energy transfer in a food chain - List the causes of ozone depletion and its consequences.
Self-Study, Homework Assignments	On completion of the chapter, students will be able to answer the following revision questions: 1. Draw a grassland food chain and mention each trophic level 2. Explain the role of decomposers in an ecosystem. 3. With the help of a food chain explain biological magnification. 4. There are only three or four trophic levels in a food chain. Justify the statement. 5. Write a short note on ozone depletion