

Tender Heart High School, Chandigarh
 Class-I Subject: Science
 Teacher: Nimrita Lesson-6
 Interdependence in Living Beings

Date: 22.7.24

Good Morning Children!

This lesson is of Class-I for the subject of Science, Lesson-6, 'Interdependence in Living Beings' of your textbook 'New Trends in Science', Evergreen Publishers. It is being submitted to you on 22.7.24.

Plants prepare food for all. Some plants are green and some are non-green. Some plants are parasitic and some are insectivorous plants.

- **Producers (Photosynthesis):** Leaves of plants are the food factories of plants as these help in photosynthesis. Photosynthesis is a process by which green plants prepare their own food with the help of H_2O , CO_2 in presence of chlorophyll and sunlight.

- **Consumers (Animals)**
 Animals are called consumers as they depend on other organisms for food.

- **Primary Consumers:**
 These depend on plants for food.
 Eg: Herbivores.

- **Secondary Consumers:**
 They depend on herbivores for food.
 Eg: Carnivores.

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Decomposers:

These decompose the organic matter into gases and humus. eg: Bacteria.

Scavengers:

These organisms feed on dead matter. eg: Vultures.

Interdependence of plants and animals on each other.

Plants depends on animals for CO_2 , humus, dispersal of seeds and pollination.

Animals depends on plants for food, O_2 , trees for shelter.

Food chain:

The process of transfer of energy from producers to consumers and then to decomposers is known as food chain.

Grass $\rightarrow$ Grasshopper $\rightarrow$ Rat $\rightarrow$ Snake $\rightarrow$ Hawk.

Imbalance in nature:

Many natural calamities like floods, droughts and forest fires destroys the existing species.

Many human activities like deforestation (cutting of trees), hunting, use of pesticides

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and industrial set-up created imbalance in nature by killing many species of insects, plants and animals.

I am ending today's topic. Kindly do worksheet 1, 2, 3 in book.

Thank you!