



## Food Chain and Food Web

### A. Choose the Correct Answer:

**1. What is a food chain?**

- a) A group of animals that hunt together
- b) A series of organisms where each one is eaten by the next
- c) A group of plants that produce food
- d) A group of predators hunting in a chain

**2. In a food chain, which organisms are called producers?**

- a) Animals
- b) Insects
- c) Plants
- d) Humans

**3. What is a food web?**

- a) A single straight chain showing the flow of energy
- b) A network of interconnected food chains
- c) A list of plants eaten by animals
- d) A chart showing human dietary habits

### B. Fill in the Blanks:

1. The \_\_\_\_\_ in a food chain are plants that make their own food through photosynthesis.
2. Animals that eat only plants are called \_\_\_\_\_.
3. A food web is made up of many interconnected \_\_\_\_\_.

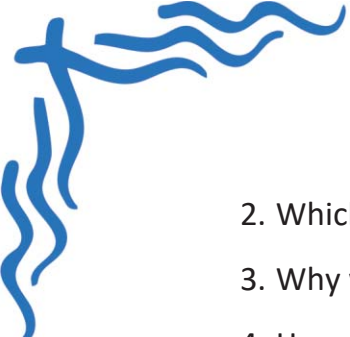
### C. Case Study:

Rohan visited a wildlife sanctuary.

- He observed deer eating grass and tigers hunting the deer.
- He also noticed birds eating insects and snakes preying on the birds.
- His guide explained that these interactions represent a food web.
- The guide mentioned that if the number of deer decreases, tigers will have less food, and their population may also decline.

**Case Study Questions:**

1. What role do the deer play in the food chain Rohan observed?

- 
2. Which animal is the predator in the food chain?
  3. Why would the tiger population decline if the number of deer decreases?
  4. How does the interaction of birds, insects, and snakes form a food web?

**D. Short Answer Questions:**

1. What is a food chain?
2. What is a food web? How is it different from a food chain?
3. What are herbivores and carnivores? Give one example of each.

**E. Long Answer Questions:**

1. Explain the concept of a food chain with an example.
  2. What is the importance of a food web in nature? Describe with an example.
  3. How does the disturbance in one part of the food web affect the entire ecosystem?
- 