

Multiple Choice Questions: Basic Science - "The Chain of Life"

CLASS 5

Class 1: Introduction to Food Chains

- Q1: What does a food chain show?** A) How plants grow
B) How energy is passed from one organism to another
C) The life cycle of animals
D) The process of photosynthesis

Answer: B) How energy is passed from one organism to another

- Q2: Which of the following is a herbivore?** A) Lion
B) Rabbit
C) Eagle
D) Snake

Answer: B) Rabbit

- Q3: In a simple food chain, which organism is a producer?** A) Frog
B) Snake
C) Grass
D) Hawk

Answer: C) Grass

Class 2: Exploring Food Webs

- Q1: What is a food web?** A) A single path showing what eats what
B) A complex system of interconnected food chains
C) A diagram of a plant's growth
D) A map of animal habitats

Answer: B) A complex system of interconnected food chains

- Q2: How does a food web differ from a food chain?** A) A food web shows a single sequence, while a food chain shows multiple sequences
B) A food chain shows multiple sequences, while a food web shows a single sequence
C) A food chain shows a simple sequence, while a food web shows multiple interconnected sequences
D) There is no difference

Answer: C) A food chain shows a simple sequence, while a food web shows multiple interconnected sequences

- Q3: Why is a food web important in an ecosystem?** A) It shows how animals grow
B) It illustrates the complexity of ecosystems and organism connections
C) It helps plants photosynthesize
D) It shows the migration patterns of birds

Answer: B) It illustrates the complexity of ecosystems and organism connections

Class 3: The Role of Producers, Consumers, and Decomposers

- Q1: Which of the following is a producer?** A) Fox
B) Grass
C) Rabbit
D) Hawk

Answer: B) Grass

- Q2: What role do primary consumers play in a food chain?** A) They produce their own food
B) They eat producers
C) They break down dead material
D) They eat other consumers

Answer: B) They eat producers

- Q3: What is the role of decomposers in an ecosystem?** A) They produce food using sunlight
B) They consume other animals
C) They break down dead plants and animals
D) They hunt for food

Answer: C) They break down dead plants and animals

Class 4: Human Impact on Food Chains and Food Webs

- Q1: Which human activity can disrupt food chains and food webs?** A) Planting trees
B) Overfishing
C) Recycling
D) Bird watching

Answer: B) Overfishing

- Q2: How can pollution affect aquatic food webs?** A) It increases fish populations
B) It decreases fish populations, affecting the entire food web
C) It has no effect on fish populations
D) It only affects land animals

Answer: B) It decreases fish populations, affecting the entire food web

Q3: What is one way humans can reduce their negative impact on ecosystems? A)

Increasing pollution

B) Practicing sustainable farming

C) Deforesting more areas

D) Hunting more animals

Answer: B) Practicing sustainable farming

Class 5: Assessment and Review

Q1: What is the first link in a food chain? A) Primary consumer

B) Secondary consumer

C) Producer

D) Decomposer

Answer: C) Producer

Q2: What would happen if there were no decomposers in an ecosystem? A) Nothing would change

B) Plants would grow faster

C) Dead material would accumulate and nutrients wouldn't be recycled

D) More herbivores would appear

Answer: C) Dead material would accumulate and nutrients wouldn't be recycled

Q3: Why is it important to protect natural habitats? A) To increase pollution

B) To ensure the survival of species and maintain ecosystem balance

C) To have more space for cities

D) To reduce the number of animals

Answer: B) To ensure the survival of species and maintain ecosystem balance