

Food Webs

Worksheet (Grade Level)

Name _____

Question 1

What is a food web, and how does it represent the flow of matter and energy in an ecosystem?

Question 2

Explain the roles of producers, consumers, and decomposers in a food web. Can you give an example of each from your local area?

Question 3

What might happen to the rest of the food web if a top predator, like a lion, was removed?

Question 4

How do decomposers help the ecosystem stay healthy?

Question 5

Why is it important to have many different species in a food web?

Question 6

If humans overhunt an animal, like a fish species, how could that impact the rest of the food web?

Question 7

How does the removal of plants, like seaweed, affect animals higher up in an aquatic food web?

Notes:

Food Webs

Worksheet (Higher Level)

Name _____

Question 1

How does removing a top predator, like a tiger, affect herbivore populations and plant growth in its ecosystem?

Question 2

What happens to a food web's stability if a keystone species is removed? Can you give an example?

Question 3

Why are decomposers considered essential for recycling matter in an ecosystem? How would a food web change without them?

Question 4

How might climate change affect producers in a food web, and what would that mean for the rest of the ecosystem?

Question 5

Explain how the loss of biodiversity in a food web can make it more fragile and vulnerable to collapse.

Question 6

What could happen if invasive species were introduced to a food web? Use an example, like rabbits in Australia.

Question 7

How could overfishing or deforestation lead to the collapse of an entire food web? Provide specific examples.

Notes:

Food Webs

Worksheet (Lower Level)

Name _____

Question 1

What is a food web? Can you name one animal that is part of it?

Question 2

What does a producer do in a food web? Can you name one?

Question 3

What does a consumer eat in a food web? Can you name a consumer?

Question 4

What is a decomposer, and why is it important? Can you name one?

Question 5

What happens to herbivores if there are no plants to eat?

Question 6

If a predator like a fox disappears, what might happen to the animals it eats?

Question 7

Can you name a plant and an animal that might be in the same food web?

Notes: