

Ecosystem Connections Activity Worksheet

Student Information

Please fill in your details:

Name: _____ Date: _____

Introduction to Ecosystems

Welcome to your Ecosystem Explorer Activity Pack! Today, we'll embark on an exciting journey to discover how plants and animals in our local environment depend on each other to survive. Before we begin, let's warm up with some thinking questions:

1. What living things did you see on your way to school today?

2. How do you think these living things might help each other?

Part 1: Who Needs Who?

Draw lines to connect each animal with what it needs to survive. Multiple connections are possible!

Animals:



Bee



Bird



Needs:





Tree branches



Flower nectar

 Squirrel
 Butterfly

 Seeds and nuts
 Tree hollow

Quick Check

Circle the best answer for each question:

1. What do plants need to grow?

- a) Sunlight and water
- b) Pizza and cookies
- c) Television and games

2. Who helps flowers make new flowers?

- a) Cars
- b) Bees and butterflies
- c) Rocks


Part 2: My First Connection Circle

Let's create a connection circle to show how different organisms help each other!



Choose from these organisms:

Sun 

Flower 

Bee 

Bird 

Tree 

Caterpillar 

Remember:

- Draw arrows to show how organisms help each other
- Use different colored arrows for different types of help:
 - Red = Food connection
 - Blue = Home connection
 - Green = Other help

Part 3: Food Web Detective

Study the food web below and answer the questions that follow:

Forest Food Web

 Fox

 Owl


 Mouse

 Squirrel

 Small Birds

 Seeds

 Plants

 Insects

1. What would happen if all the plants disappeared? Explain your thinking:





2. Name three consumers in this food web:

3. Which animal has the most food choices?





Part 4: Habitat Heroes

Every animal needs a special place to live. Match each animal to its perfect home!

Animals

1.  Frog
2.  Eagle
3.  Fish
4.  Ant

Habitats

- A.  Deep water
- B.  High cliffs
- C.  Pond
- D.  Underground nest

1. ____

2. ____

3. ____

4. ____

Part 5: Create Your Own Ecosystem

Design a balanced ecosystem in the space below. Include at least:

- 2 producers (plants)
- 2 primary consumers (plant-eaters)
- 1 secondary consumer (meat-eater)
- 1 decomposer

Part 6: Ecosystem Problem Solving

Read each scenario and explain how it might affect the ecosystem:

Scenario 1: The Disappearing Bees

Imagine that all the bees in your area suddenly disappeared. How would this affect:

Plants:

Other insects:

Humans:

Scenario 2: New Species Alert!

A new type of plant has been introduced to your area and it's growing very quickly. What might happen?

Positive effects:

Negative effects:

Part 7: Ecosystem Protection Plan

Now that you understand how ecosystems work, create a plan to protect one!

Choose your ecosystem:

Forest 🌳 Pond 🌊 Meadow 🌸 Beach 🏖️

My Protection Plan

Three things that could harm my ecosystem:

1. _____
2. _____
3. _____

Three ways to protect my ecosystem:

1. _____
2. _____
3. _____

Reflection Time

Think about what you've learned today and complete these sentences:

The most interesting thing I learned was...

One thing I can do to help protect ecosystems is...

Reflection Time

Think about what you've learned today and complete these sentences:

1. The most interesting connection I learned about was...

2. I was surprised to discover that...

3. One question I still have is...

Teacher's Corner

Learning Objectives Achieved:

- Understanding basic ecosystem connections
- Identifying dependencies between organisms
- Recognizing the importance of each species

Additional Comments:
