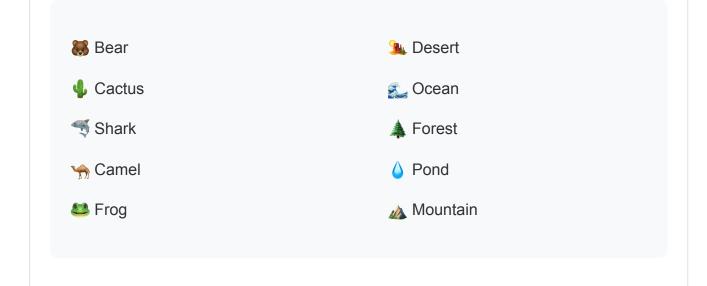


Ecosystem Connections: Understanding Biodiversity

ease fill in your deta	ails:		
me:		Date:	
Part A: Ecosystem	ı Explorer (15 minute	s)	
i dit A. Ecosystoni	Exploid (10 illillate	3)	
	akes up an ecosystem		
	akes up an ecosystem		em:
			em: ☆ Birds
Living or Non-livir	ng? Circle all the living	things in this ecosyste	
Living or Non-livin	ng? Circle all the living	things in this ecosyste	

2. Habitat Matching Draw lines to connect each animal with its correct habitat:



Part B: Biodiversity Detective (20 minutes)

Study the forest ecosystem picture below carefully and complete the tasks:
[Forest Ecosystem Illustration]
How many different animals can you spot? Count and write the number here:
How many different types of plants can you find? Count and write the number here:
3. Find and circle three different animal homes in the picture above
4. Draw arrows to show what each animal might eat (food chains)
Think About It:
Why do you think there are so many different types of plants and animals in this forest?

Part C: Food Web Connections (25 minutes)

Complete the food web diagram below:

2. Color all	ows between organisms to plants GREEN nt-eating animals YELLO\		nom
-	mals that eat other anima		
	[Food Web Diagram wit	h organisms to con	nect]
wer these	important questions:		
/hat would	happen if we removed all	the plants from this	food web?

2. Why do ecosystems need different types of animals to survive?

Part D: Ecosystem Adaptations (30 mi	nutos)
Explore how different animals adapt to their	environinients!
Desert Habitat	Arctic Habitat
Animal: Camel	Animal: Polar Bear
List 3 adaptations that help it survive:	List 3 adaptations that help it survive:
Design Your Own Animal!	
Create an animal that could survive in a label its adaptations.	rainforest habitat. Draw it below and
[Drawing Space]	

Part E: Environmental Changes (25 minutes)

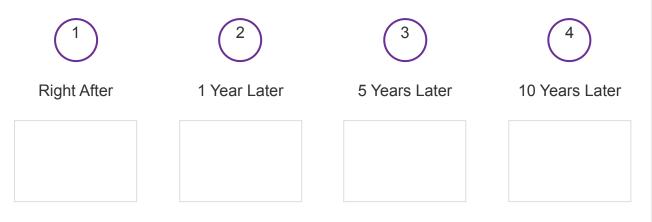
Investigate how changes affect ecosystems

Scenario 1: Forest Fire

A lightning strike has caused a forest fire. Think about what happens to:

Trees and Plants	Small Animals	Large Animals

Ecosystem Recovery Timeline



Part F: Human Impact Investigation (30 minutes)

Explore how human activities affect ecosystems

Local Ecosystem Survey

Human Activity	Positive Effects	Negative Effects
Building Houses		
Planting Gardens		
Creating Parks		

Be an Eco-Hero!

Choose one negative impact and design a solution:

The Problem:			
My Solution:			
How it Holpe			
How it Helps:			

Part G: Final Project - Ecosystem Protection Plan (45 minutes)

Create a comprehensive plan to protect your local ecosystem

Step 1: Research Your Local Ed	cosystem
What types of plants and animals live h	nere?
What are the main threats to this ecosy	ystem?
Step 2: Create Your Action Plan	n
Short-term Actions (This Month)	Long-term Actions (This Year)

Step 3: Get Others Involved

Family	School	Community

Conclusion

Great Job, Young Scientist!

You've learned about:

- Living and non-living things in ecosystems
- Different habitats and their inhabitants
- The importance of biodiversity
- How food webs connect all living things

Teacher's Comments:		
Grade:	Date:	