Introduction to Ecosystems (Page 1)	
What is an ecosystem? Look at the picture below and discuss with your friends:	
Ecosystem Picture	
	1
Activity: Draw a picture of your favorite ecosystem	
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## Biotic and Abiotic Factors (Page 2)

What are biotic factors? Examples: plants, animals, microorganisms

What are abiotic factors? Examples: water, sunlight, soil

## Match the biotic and abiotic factors

	Biotic Factors	Abiotic Factors
Plants		Water
Animals	Copyright 2024 Planit Teachers. All rights	resumfight
Microorganism	os	Soil

What is adaptation? Examp	oles: polar bear's white fur, camel's	s hump	
Why is conservation impor	tant? Discuss with your friends:		
L			
Activity: Draw a picture of a	nn animal that has adapted to its e	environment	
Human Impact on the F	invironment (Page 1)		
Human Impact on the E	invironment (Page 4)		
-	invironment (Page 4)	on, deforestation, climate chai	nge
How do humans impact th			nge
How do humans impact th	e environment? Examples: pollution		nge
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How do humans impact th	e environment? Examples: pollution		nge

Ecosystem sortin	g game
Adaptation charac	des
Conservation role	-play
Ecosystem mode	building
Human impact di	scussion
Activity: Play the e	ecosystem sorting game
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Conclusion and	Reflection (Page 6)
Conclusion and	
	cepts
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Review of key cor Reflection question	ocepts ons: ou learn about ecosystems?
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Quiz: What is an ecosystem?  Quiz: What are biotic and abiotic factors?  Quiz: Why is conservation important?	
Activity: Complete a quiz to assess your understanding	
Extension Activities (Page 8)	
Ecosystem diorama	
Extension Activities (Page 8)  Ecosystem diorama  Environmental interview	
Ecosystem diorama Environmental interview	
Ecosystem diorama Environmental interview	
Ecosystem diorama Environmental interview	
Ecosystem diorama Environmental interview	
Ecosystem diorama	
Ecosystem diorama Environmental interview	
Ecosystem diorama Environmental interview Ecosystem model	
Ecosystem diorama Environmental interview Ecosystem model	

Parent Engage	ment (Page 9)		 	
Parent-child ecos				
Environmental w	•			
Classroom volun	teer		 	
Activity: Work wi	h your parent on an ecos	system project	 	
r			 	
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Safety Conside	erations (Page 10)			
		ssessment	 	
Outdoor activitie	erations (Page 10)  s: supervision and risk as  handling plants and sma		 	
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Outdoor activities: Indoor activities: Establishing clea	s: supervision and risk as handling plants and sma r rules and guidelines	all animals		

What are ecosyst	tem services? Examples: pollination, air and water filtration, soil formation
Discuss with your	r friends: How do humans benefit from ecosystem services?
Activity: Create a	diagram showing the different ecosystem services
Human Impact	t on Ecosystems (Page 12)
aman impact	ton 2000 jotemo (1 ugo 12)
	impact ecosystems? Examples: deforestation, pollution, climate change
How do humans i	
How do humans i	impact ecosystems? Examples: deforestation, pollution, climate change
How do humans i	impact ecosystems? Examples: deforestation, pollution, climate change
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How do humans i	impact ecosystems? Examples: deforestation, pollution, climate change
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What is conservation?	xamples: protecting end	langared enecies area	orving habitata	
			erving nabitats	
Discuss with your friend	ls: Why is conservation i	mportant? 		
Activity: Research and բ	resent on a conservation	n effort		
Sustainability (Page	14)			
	Examples: reducing wast		ergy	
What is sustainability?			ergy	
What is sustainability?	Examples: reducing wast		ergy	
What is sustainability?	Examples: reducing wast		ergy	
What is sustainability?	Examples: reducing wast		ergy	
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What is sustainability?	Examples: reducing wast	e sustainably?		
What is sustainability?	Examples: reducing wast	e sustainably?		
What is sustainability?	Examples: reducing wast	e sustainably?		

How do ecosystems affect climate change? Examples: carbon sequestration, ocean currents  Discuss with your friends: What can we do to reduce our carbon footprint?  Activity: Calculate your carbon footprint and create a plan to reduce it	
Activity: Calculate your carbon footprint and create a plan to reduce it	
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Activity: Calculate your carbon footprint and create a plan to reduce it	
Ecosystems and Human Health (Page 16)	
How do ecosystems affect human health? Examples: air and water quality, disease transmissi	
Discuss with your friends: What can we do to protect human health through ecosystem conse	rvation?
Activity: Research and present on a disease that is affected by ecosystem health	

Ecosystems and Economics (Page 17)	
How do ecosystems affect economies? Examples: tourism, fishing industries  Discuss with your friends: What can we do to balance economic development with ecosystem conservation	1?
Activity: Create a plan for sustainable economic development in your community	
Ecosystems and Culture (Page 19)	
Ecosystems and Culture (Page 18)	
Ecosystems and Culture (Page 18)  How do ecosystems affect cultures? Examples: traditional practices, spiritual beliefs  Discuss with your friends: What can we do to respect and preserve cultural heritage through ecosystem conservation?	
How do ecosystems affect cultures? Examples: traditional practices, spiritual beliefs  Discuss with your friends: What can we do to respect and preserve cultural heritage through ecosystem	
How do ecosystems affect cultures? Examples: traditional practices, spiritual beliefs  Discuss with your friends: What can we do to respect and preserve cultural heritage through ecosystem	
How do ecosystems affect cultures? Examples: traditional practices, spiritual beliefs  Discuss with your friends: What can we do to respect and preserve cultural heritage through ecosystem conservation?	

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Activity: Draw a picture of your favorite ecosystem	
Activity. Draw a picture or your ravonce ecosystem	

## Biotic and Abiotic Factors (Page 2)

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What are abiotic factors? Examples: water, sunlight, soil

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Plants		Water
Animals	Copyright 2024 Planit Teachers. All rights	rSemfight
Microorganism	S	Soil

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Why is conservation impor	tant? Discuss with your friends:	
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Human Impact on the E	Environment (Page 4)	
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Ecosystem sorting	ame
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Conservation role-	у
Ecosystem model	ilding
Human impact dis	ssion
Activity: Play the e	system sorting game
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Conclusion and	eflection (Page 6)
Conclusion and Review of key cond	
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Assessment and Evaluati	on (Page 7)			
Quiz: What is an ecosystem? Quiz: What are biotic and abid Quiz: Why is conservation im	otic factors?			
Activity: Complete a quiz to a	ssess your understand	ling	 	
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Extension Activities (Pag	e 8)			
Extension Activities (Pag	e 8)			
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Ecosystem diorama	e 8)			
Ecosystem diorama Environmental interview	e 8)			
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Ecosystem diorama Environmental interview Ecosystem model				
Ecosystem diorama Environmental interview Ecosystem model				

Parent Engagement	(Page 9)			
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Environmental worksho	pp			
Classroom volunteer			 	
Activity: Work with you	r parent on an ecosys	tem project	 	
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