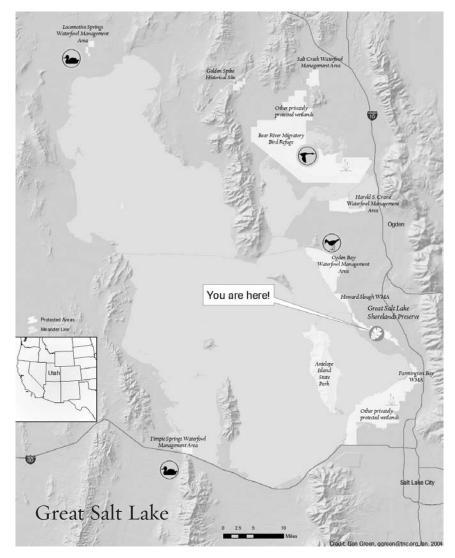


at the Great Salt Lake Shorelands Preserve

Name		
Tour Date	Assigned Group	



About The Nature Conservancy's Great Salt Lake Shorelands Preserve

The Great Salt Lake Shorelands Preserve and Visitor Center is about 4,000 acres of land that is protected by The Nature Conservancy. Millions of birds who visit the Great Salt Lake every year will always be able to find food and shelter here. The Nature Conservancy is an organization that works all over the world to protect lands and waters that plants and animals need to survive. To learn more about The Nature Conservancy, visit our website: www.nature.org/utah or contact us at (801) 531-0999.

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Our Visit to the Great Salt Lake Shorelands Preserve

My Field Trip Checklist

my riora mp oncomic	-	
Check off the things listed below for your field trip to the Great Sa	,	, ,
☐ this Discovery Guide	a hat for shad	e 📮 warm jacket or sweater
2 sharp pencils	☐ sunscreen	☐ lunch
lue unbreakable bottle of water	a raincoat	\
□ Wills and Won'ts		
Using the lists below, check off the Preserve. The extra space is for you	0 1	won't do while on your tour at the g else you might think of.
During my time at the Preserve	e I WILL:	
☐ be polite and pay attention to	my tour guide	keep my eyes and ears open
lue be helpful to my tour group		ask thoughtful questions
During my time at the Preserve	I WILL NOT:	
☐ run on the boardwalk		☐ throw things
☐ speak louder than necessary		climb on any exhibits
move ahead of my tour guide		☐ pick wetlands plants

Thinking Ahead

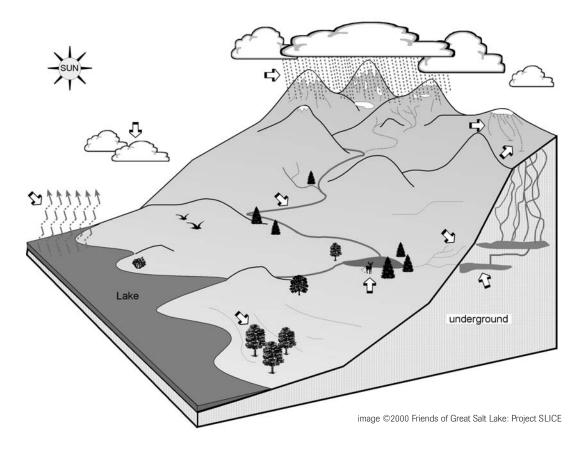


Something I know about the Great Salt Lake is:	
My LFT's	
An LFT is something you Look Forward To during your tour at tl	ne Great Salt
Lake Shorelands Preserve. Fill in the spaces below to share a few o	f your own LFT's
Things I expect to see or learn about during my visit to the Pres	erve are:
-	
1	•
2	
2	
Questions about Great Salt Lake wetlands that I hope to have a	nswered:
1	
2	

Worlds Within Wetlands

Wetlands: What Good Are They?

1. Use your own words to write a definition for wetlands here: 2. Why are most Great Salt Lake wetlands found on the eastern side of the lake? 3. Imagine someone thinking that wetlands are useless! List three things you could say to someone who asked, "What good are wetlands, anyway?"

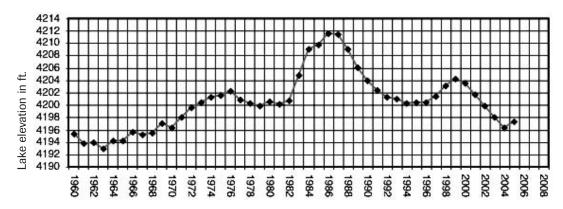


The Water Cycle: A Never-Ending Tour

- 1. This drawing shows some important parts of our Great Salt Lake Watershed. Use the following list to label and color the matching parts in the picture: Solar Energy (yellow)/ Great Salt Lake (blue)/Wetlands (green)/Wasatch Mountains (brown or dark green)
- **2.** Each arrow in the drawing points to something involved in a different part of the water cycle. Label each arrow using the following list: Condensation/Precipitation/Evaporation/Runoff/ Transpiration/Respiration/Infiltration/A Spring/Groundwater/A River
- **3.** Every second, there are different water molecules in a different place in the water cycle. Imagine you are one of those molecules. Beginning in a raindrop from a cloud, use your pencil to draw a line that connects four or more different places you might go after you leave that cloud in your journey through part of the water cycle. Number each place (1, 2, 3...) in your journey, with the number "1" being in the cloud you started from.

Weather & Climate: Patterns of Change

Use this graph of Great Salt Lake levels to answer the first two questions.



- 1. During which year would Great Salt Lake wetlands have been most filled with water?
- 2. During which year would Great Salt Lake wetlands have been driest?_____
- 3. What two factors cause the Great Salt Lake to change from year to year?
- 4. What is a relationship between the level of the Great Salt Lake and its wetlands?

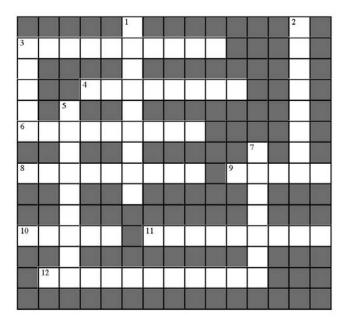
5. Imagine you are a bird who came to the Great Salt Lake last year and found a perfect place for food and shelter. But this year, you return to find that there is too much or not enough water in that same place. What can you do?

Adaptations: Nature's Problem-Solvers

	_	o name a plant and an ani a physical and a behavior a	-
Γ	Species	Physical adaptation	Behavior adaptation
	Plant		
	Animal		

4. Circle the things in the following list that are not really biological adaptations: a seed / a feather / migration / water / waterproof boots / webbed feet / teeth / green leaves.

Words for the Wetlands



Across Clues

- 3. Features that a plant or animal is born with that help it survive.
- 4. A place where people try to protect a community of living things from outside damage or interference.
- A community of plants, animals and microorganisms interacting in an environment that supplies them with everything they need to survive.
- 8. Soil, sand and minerals that have been transported by wind and water to a new area.
- A type of wetland near ponds and lakes, with mostly nonwoody plants that grow with their roots in water and their tops in the air.
- A flat, usually salty lake bed that becomes a lake from time to time.
- 11. Seasonal movement of animals from one region to another.
- 12. The combination of all living and nonliving things where something lives. It includes climate, soil, topography, and all the other plants and animals.

Down Clues

- All land and water connected by the flow of a river that drains into a body of water, such as a larger river, a lake or an ocean.
- Places with water at or near the surface that creates a unique environment with special (hydric) soils and specially adapted plants and animals.
- Producers without true stems, roots and leaves, that grow in water. They are food for fish and small aquatic animals.
- A group of plants, animals and microorganisms, in which each member is eaten in turn by another member. (2 words)
- 7. The natural home of a plant, animal or microorganism.

Clue Jumble

Unjumble each of the words using the clues to help and then use the boxed letters to form the final Jumbleword.

Jumble Words	_
1. SWELDTNA	
2. AAIDOTPANT	
3. OTESSMCEY	
4. NTNOIVERENM	
5. AMSHR	
6. AABHTTI	
7. EPEVRSER	
8. ESDEIMTSN	
environment with special and animals. 2. How a species looks or environment. 3. A community of plants, an environment that supp survive. 4. The combination of all I lives, including climate, so animals. 5. A type of wetland near plants growing with their 6. The natural home of a property of the p	that have been transported by wind and a new area.
All land and water conr body of water.	ected by the flow of a river that drains into a particular
Solution:	

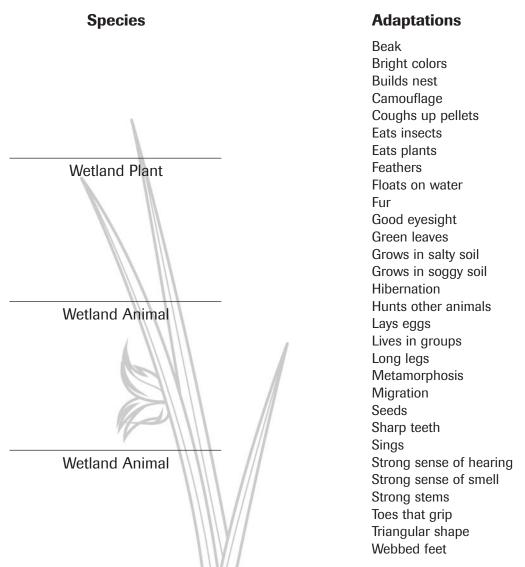
Reflections

Habitats: Haftahavahabitat

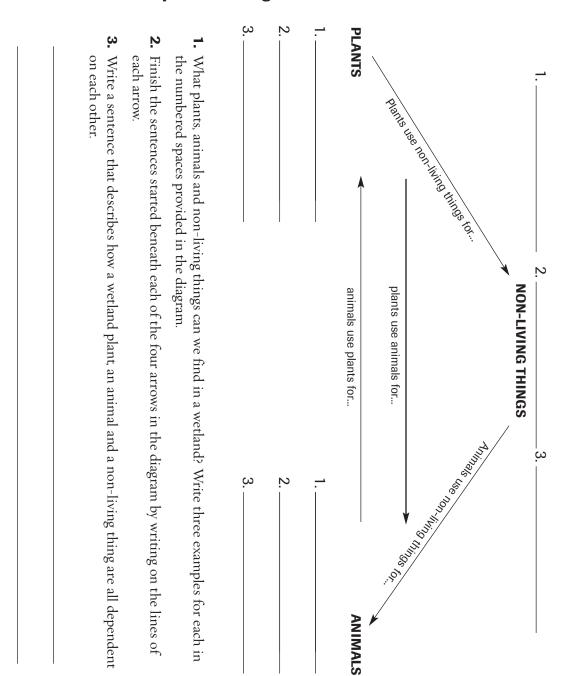
1.	• Make sense of the silly made-up title above by separating it into five correctly spelled and not-so-silly words that finish this sentence:			
If	you are going to survive, you			
2.	Write a sentence of your own that explains why habitat is so important to survival			
3.	What words would you use to describe the kind of soil sample your group examined during the Preserve tour?			
	What plant seemed to grow best in that soil?			
4.	Why does it matter what kind of soil there is in a habitat?			
5.	Describe something you know about wetlands that you could teach someone else.			

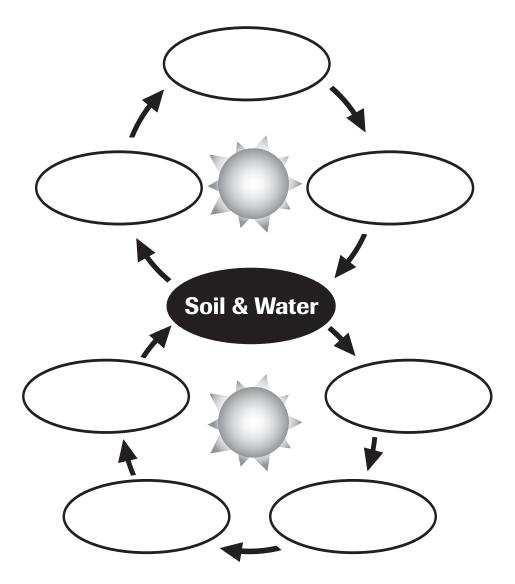
Adaptations: Secrets to Success

Use the spaces below on the left to write the names of a wetland plant and two animals you learned about. Then draw lines connecting each species to any adaptations it has from the list on the right. Use a different color for each species. How many connections can you make?



Interrelationships: Nothing Stands Alone

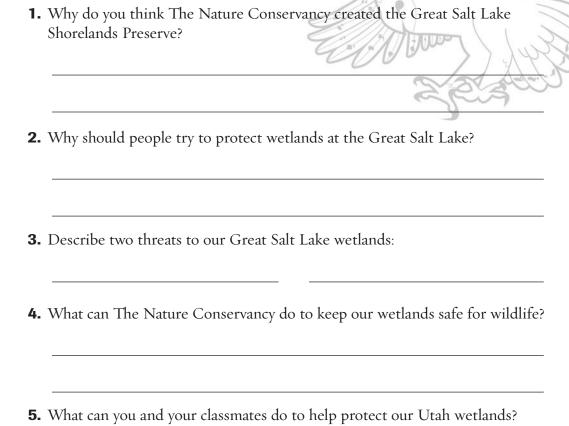




Life Links

Using the diagram above, write the name of a different species in each oval to correctly show the relationship between plants, animals and soil. For some ideas, look at the illustration in the centerfold of this guide or the species list on page 15.

Careful Conservation



To learn more about how you can help, visit www.nature.org/utah

Wetlands Species List

Here is a list of some of the plants and animals living in our Great Salt Lake wetlands.

Plants

common duckweed hardstem bulrush common cattail common reed threesquare bulrush saltgrass pickleweed thistle seepweed

Amphibians, Reptiles and Mammals

northern chorus frog common garter snake coyote deer mouse long-tailed weasel meadow vole muskrat raccoon red fox striped skunk shrew

Birds We Might Hear or See in the Distance

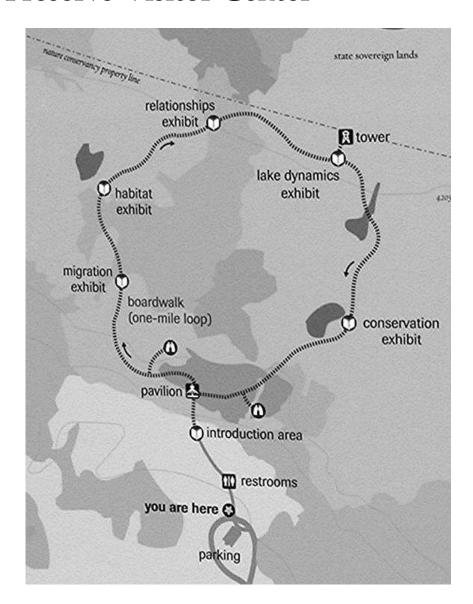
American avocet* American white pelican black-necked stilt* Iona-billed curlew* snowy plover* white-faced ibis* Wilson's phalarope* Canada goose* great blue heron sandhill crane snowy egret American kestrel* bald eagle red-tailed hawk rough-legged hawk Swainson's hawk California gull Franklin's gull* Black tern* Caspian tern Common tern Forster's tern*

Birds We Might Hear or See from the Boardwalk

barn owl*
marsh wren*
red-winged blackbird*
sora*
cinnamon teal*
western meadowlark*
black-billed magpie*
American crow
common raven*
yellow-headed blackbird*
northern harrier*

^{*} Birds known to nest at the Preserve.

The Great Salt Lake Shorelands Preserve Visitor Center



Composite Poetry

Close your eyes as you listen to a story from your tour guide. Then, keep your eyes closed and imagine pictures from that story to give you ideas for your own ending to this sentence:

Great Salt Lake wetlands are places where	

Helpful hints to finish your sentence: Think about the kinds of things that happen here when no people are around. Ask yourself, what makes wetlands so special? Think about what you learned today that you will remember for a long time.



