

GEPHART EXHIBIT TRAIL QUESTIONS

AT THE SQUAM LAKES NATURAL SCIENCE CENTER GRADES 6 - 8

Welcome Center Exhibits

1.	How much electricity do the PV Cells produce every day?
2.	How does a PV array affect the environment?
3.	Does your home use a(circle one) Composting toilet Septic System
	Municipal Waste Treatment Plant
4.	What are the benefits of using a composting toilet?
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Trail	head Gallery
5.	What are the 4 principles of ecology that are explored at the Science Center?
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6.	In the trailhead gallery there is an exhibit on INTERRELATIONSHIPS that shows the many connections between producers, consumers and decomposers. Press ONE of the 3 buttons, OAK,
	OWL or MOUSE and follow the connections. Then write HOW each of the plants or animals is connected to each other in that one food chain.
7.	How is the Barred Owl "built for survival"
Life (Inderground
8.	Why is the soil community a perfect habitat for many living things?
9.	How many animals can a handful of soil have?
10	What makes ideal moose habitat, and does New Hampshire have this type of habitat?
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Ecotone Mammal Exhibit

11.	Vhat is an ecotone?
12.	Vhat characteristics make a mammal a mammal?
	Exhibit
13.	Vhat is a niche, and what is the bobcat's niche?
14.	Why can't you see the bobcat's claws while they are walking?
15.	Are bobcats a threat to humans?
Mour	ain Lion Exhibit
16.	What type of teeth allows the mountain lion to puncture and grip its prey?
17.	What does it mean to be an extirpated species?
18.	A lichen is a and growing together in a mutual relationship.
	xhibit
19.	Complete the a-MAZE-ing Deer Maze and list the hazards and few successes your deer experienced.
	. Hazards –

b. Successes -

Do you think wild deer encounter as many hazards as your deer may have? _____

20. How can you tell the age of a deer?

Otter Exhibit

21. Record behavior of otters below:

	Time:	Date:	Behaviors:
	How do the otters' ol	oserved behaviors he	lp them in the wild?
22	. Why do otters like to	slide on their bellies	?
Gord	on Children's Cent	er	
23	. What three things di	-	om any other animal in the world?
24	. What do you call a n		plants and meat?
Bear	Exhibit		
25	. How can you make y	rour home safe from k	pears?
26	. Do black bears eat a	a lot of animal prey? _	
27	. What are the three t	ypes of bees in a hive	?
Bird	Exhibit		
28			
29			on?

30. Please sketch your favorite songbird carefully. Please record field markings (colors) to use later.

Raptor Exhibit

31.	What are the differences between raptors and non-raptors?
32.	Why are raptors an indicator species?
33.	In what ways would the extinction of a raptor species affect humans? (Hint: What do they eat?)
	n Boardwalk

- 34. How is a wetland important to humans? _____
- 35. Observe the wildlife around the wetland. How many types of animals and plants can you see? _____