



November Homeschool Day

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Neptune Park Scavenger Hunt

1. Loggerhead sea turtles are the _____ largest species of sea turtle.

2. How many different species of sea turtles are there?

3. What kind of sea turtle is Pokey? _____

4. How old can Rocky live to be? _____

5. Which of the following is *not* a species of sea turtle?

Loggerhead Kemp's Ridley Cownose Green

6. What species of shark do we have here at Marineland?

7. Why do we have our sharks?

8. Why do our sharks swallow air?

9. True or False: Male sharks have extended pelvic fins called "claspers".

10. True or False: Both our sharks and our dolphins have pectoral fins.

11. What kind of tortoise do we have? _____

12. What is the difference between terrestrial (land) turtles and sea turtles?



Ecosystem Engineers k-5 Worksheet

Know before you go!

Before you begin building the habitat, answer the following questions. The more you know about the animal, the easier it will be for you to build a proper habitat!

The animal that will live in this habitat is: _____

Circle the option that best describes your animal.

Will the animal grow to be large, medium, or small?	Large	Medium	Small
Does the animal live in water, on land, or does it spend time in both water and on land?	Water only	Land only	Both
Does the animal breathe air or breathe in water?	Air	Water	
Does the animal travel long distances?	Yes	No	
Do individuals live in groups, or by itself?	In groups	By itself	
Is the animal active, or does it like to rest in one place?	Active	Rest	
What climate does the animal live in?	Warm	Cool	
Is the animal an herbivore, carnivore, or omnivore?	Herbivore	Carnivore	Omnivore
Does the animal have a form of camouflage?	Yes	No	
Does the animal like to hide or be out in the open?	Hide	Open	Both
Is it an invasive species?	Yes	No	
Does the animal shed/molt?	Yes	No	
Extra notes:			

Worksheet adapted for K-5



Ecosystem Engineers 6-12 Worksheet

Know before you go!

Before you begin building the habitat, answer the following questions. The more you know about the animal, the easier it will be for you to build a proper habitat!

Animal: _____

Circle the option that best describes your animal.

Will the animal grow to be large, medium, or small?	Large	Medium	Small		
Is the animal terrestrial, marine, or semi-aquatic?	Terrestrial	Marine	Semi-aquatic		
What biome does the animal live in?	Freshwater Grassland	Marine	Desert Forest Tundra		
What climate does the animal live in?	Polar	Temperate Mediterranean	Arid	Damp tropical Cold tundra	Mild
From where does the animal get its oxygen?	Air	Water			
Does the animal migrate long distances?	Yes	No			
Does the animal exhibit any form of camouflage?	Yes	No			
	<i>If yes, what form:</i>				
	Countershading	Mimicry coloration		Disruptive	
Is the animal social or solitary?	Social	Solitary			
Is the animal active, or does it prefer to be at rest?	Active	Rest			
Is the animal an herbivore, carnivore, omnivore?	Herbivore	Carnivore	Omnivore		
Does the animal prefer hide, or to be out in the open?	Hide	Open	Both		
Is the animal an invasive species?	Yes	No			
Does the animal shed/molt?	Yes	No			
Extra notes:					

Worksheet adapted for 6-12



Design your animals habitat:

Water Exploration Field Notes

From where was your water collected? _____

Choose an organism in your water sample to draw in the box below. Describe its movement, appearance, and other characteristics. Then, use the "Water Exploration ID Key" to try to identify the organism.

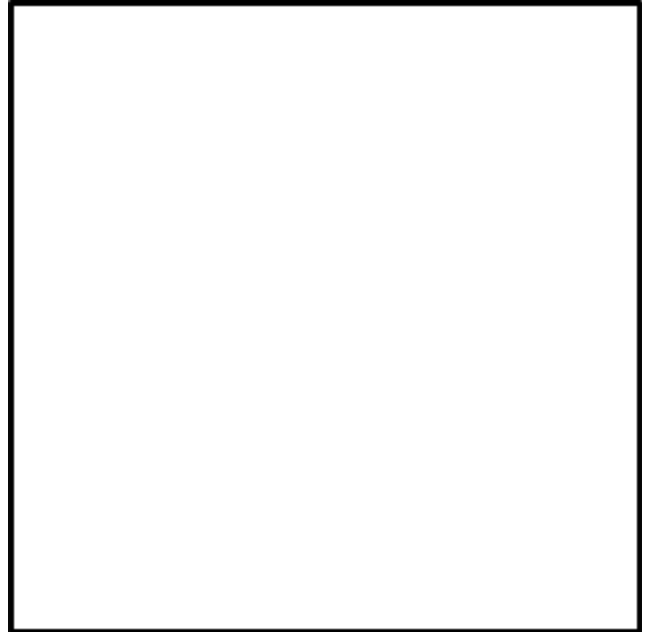
Size estimate (mm): _____

Color: _____

How does it move?: _____

Additional observations: _____

Identification: _____



How many different types of organisms do you believe you see? _____

Do you think these organisms are autotrophs or heterotrophs? _____

How do these organisms contribute to the ecosystem? _____

What tools did you use to view the organisms? Which tool worked best? _____

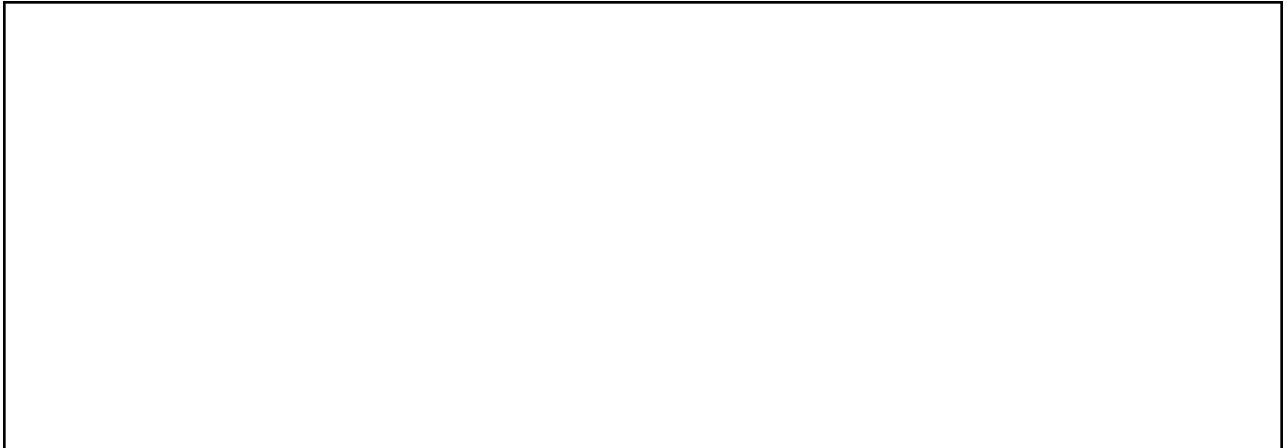
Animal Observation Project

Questions and Activities:

- Choose one animal at Marineland on which to do a physical and behavioral observation. You may pick any animal you'd like, but you must stick with that individual, so be sure you've identified a distinguishing characteristic about it that will help you keep it in view, even if it lives with a group of other animals that look just like it.

PHYSICAL OBSERVATION

- Draw your animal in the space below:



- Conclusions:
 - What distinguishing characteristic did you use to identify this animal?

 - What physical adaptations do you see on your animal that help it to survive in its environment? (Body shape? Coloration?)

- What do you think these adaptations help the animal to do? (Avoid predators, Catch prey?)

BEHAVIORAL OBSERVATION

- Observe your animal for three minutes. Fill out the following behavioral observation chart. Put a check mark next to the behavior every time you see it. If you see any behaviors other than the ones listed, please add them in the blank spaces provided:

<u>BEHAVIOR SEEN</u>	<u>MINUTE 1</u>	<u>MINUTE 2</u>	<u>MINUTE 3</u>
Eating			
Chasing			
Hiding			
Playing			
Fighting			
Sleeping			

- Conclusions:

- What behavior did you see your animal do the most?

- What behavior did you see your animal do the least?

- What kind of conclusions can you make from your observations? (Keep in mind that your three minute observation does not represent a full day of the animal's life.)

- Do you think their behavior is different depending on time of day? Time of year? Weather?