



April Homeschool Day

Inside:

- Watershed Activity
 - Hands on pollution activity with our watershed model
 - Education Station
- Calculate Your Impact
- Pledge to the Planet
 - Education Station
- Alligator Farm Station
 - The Alligator Farm will be joining us this homeschool day!
- Animal Observation
 - Any Animal habitat



Watershed Activity and Demonstration

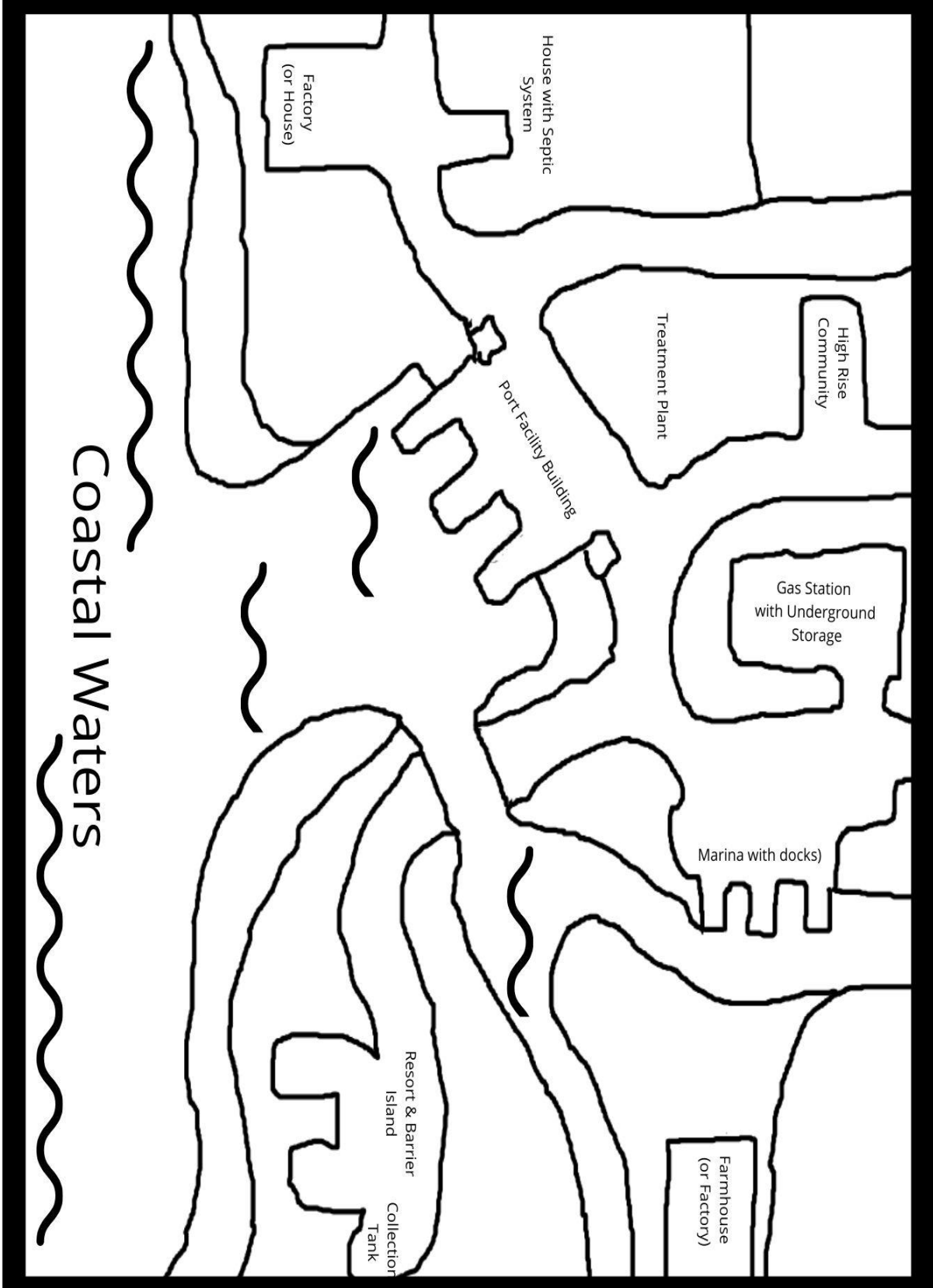
What is a watershed?

List some pollutants that can enter the watershed system?

How do pollutants enter the water as it flows through the watershed?

What can you do to help?

Label the Watershed Diagram on the Next Page...



Coastal Waters

Calculate Your Impact

Answer each question by writing the corresponding number in the space provided.

1. How do you typically get around everyday?

- | | | |
|---------|--------|-------|
| a. Walk | 0 | _____ |
| b. Bike | 0 | _____ |
| c. Car | 10,484 | _____ |

2. Which form of energy do you use at home?

- | | | |
|-------------|--------|-------|
| a. Natural | 119.58 | _____ |
| b. Electric | 5,455 | _____ |
| c. Fuel Oil | 12,460 | _____ |
| d. Propane | 2,243 | _____ |

3. Carbon Emissions From Waste..

- | | | |
|-------------------|-----|-------|
| a. Average person | 692 | _____ |
|-------------------|-----|-------|

4. If you recycle the following items...

- | | | |
|--------------|---------|-------|
| a. Metal | -89.38 | _____ |
| b. Plastic | -35.56 | _____ |
| c. Glass | -25.39 | _____ |
| d. Newspaper | -113.14 | _____ |
| e. Magazines | -27.46 | _____ |

5. Do you leave your electronics plugged in?

- | | | |
|--------------|------|-------|
| a. Yes | 143 | _____ |
| b. Sometimes | 71.5 | _____ |

6. Do you turn sleep mode on for Electronics?

- | | | |
|--------------|--------|-------|
| a. Yes | -107.1 | _____ |
| b. Sometimes | 53.55 | _____ |

7. What is your total Impact?

Adapted from the EPA Assumptions



Pledge to the Planet

Happy Earth Day! Create a pledge to the planet. This is something that you will pledge to do all year to help protect the planet.

Write, Draw, Have Fun!

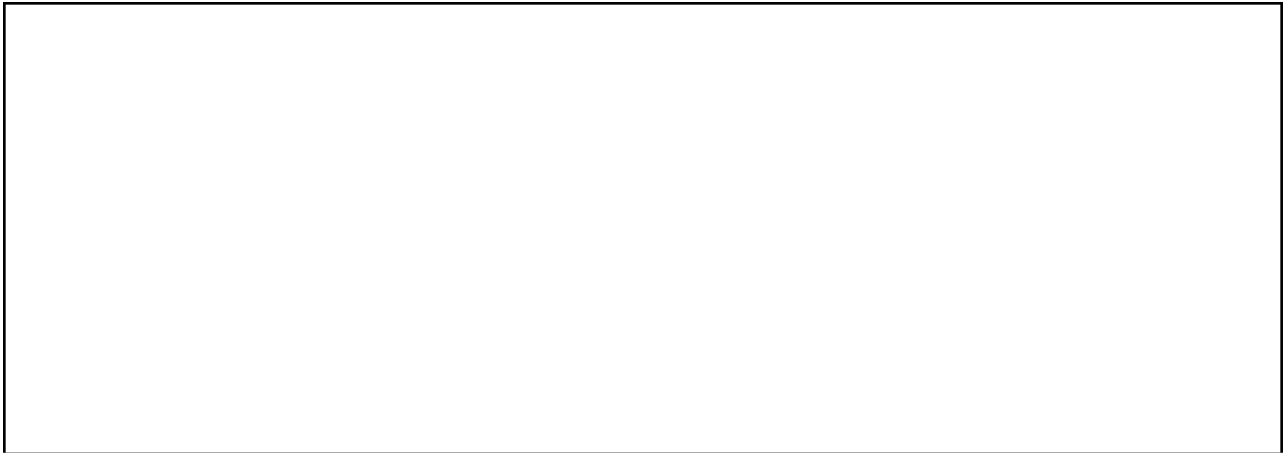
Animal Observation Project

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 checkmark 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 the time of day?
Time of year?