

# February Homeschool Day



## Inside:

- Food Chain Jenga!
  - Ambassador Park Activity
- Feed the Lagoon!
  - Guided Activity at 11:45 am and 12:30 pm
    - Please note that each session will be limited to 30 people
  - At the beginning of each session, an educator will bring you across the street to our lagoon. There, you will have the opportunity to feed the fish that live there!
- Which Fish is This?
  - Whitney Park Activity
- Animal Observation
  - Any Animal habitat

Our animal ambassadors are going to help you learn about food chains and why fish are so important!

# Food Chain Jenga!

A food web is a complex network of interconnecting and overlapping food chains showing feeding relationships within a community. Today, we will see just how much organisms affect each other.

1. What do each of the layers represent?

a. Green = \_\_\_\_\_

b. Blue = \_\_\_\_\_

c. Yellow = \_\_\_\_\_

d. Pink = \_\_\_\_\_

e. Red = \_\_\_\_\_

f. Purple = \_\_\_\_\_

2. Who are the primary producers in this game?

\_\_\_\_\_

3. Who is the apex predator in this game?

\_\_\_\_\_

4. Why are there more green blocks than there are any other colors?

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

5. How do changes in the food chain affect the ocean's health?

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

6. Name two ways humans impact marine ecosystems.

\_\_\_\_\_

7. Name two things humans can do to help protect life in the ocean.

\_\_\_\_\_

\_\_\_\_\_



# Feed the Lagoon!

Match the correct picture to the correct fish name! See how many of these fish you can find in our lagoon!



Grey Snapper



Striped Mullet



Sheepshead



Black Drum



Atlantic Spadefish

**Start**



1 Bony Fish  
→5  
Cartilaginous Fish  
→2

2 Flat Body  
→3  
Streamlined Body  
→4

3 **Atlantic Stingray**

15 **Yellow Tang**



# Which Fish is This?



4 **Bamboo Shark**

14 **Blue Tang**

A dichotomous key is a way of identifying specimens based on contrasting statements, usually about physical characteristics. By drawing a series of contrasts, you are able to narrow down the specimen until you can correctly identify it. This key will help you to identify different fish we have in our Sea to Shore Aquarium!

5 Long snake-like body  
→6  
Short Body  
→9

13 Blue  
→14  
Yellow  
→15

6 Black and white  
→7  
Green  
→8

12 **French Angelfish**

7 **Zebra Eel**

11 **Queen Angelfish**

10 Has a blue dot on the head  
→11  
Does not have a blue dot on the head  
→12



9 Dorsal and anal fins go past the tail  
→10  
Dorsal and anal fins stop before the tail  
→13

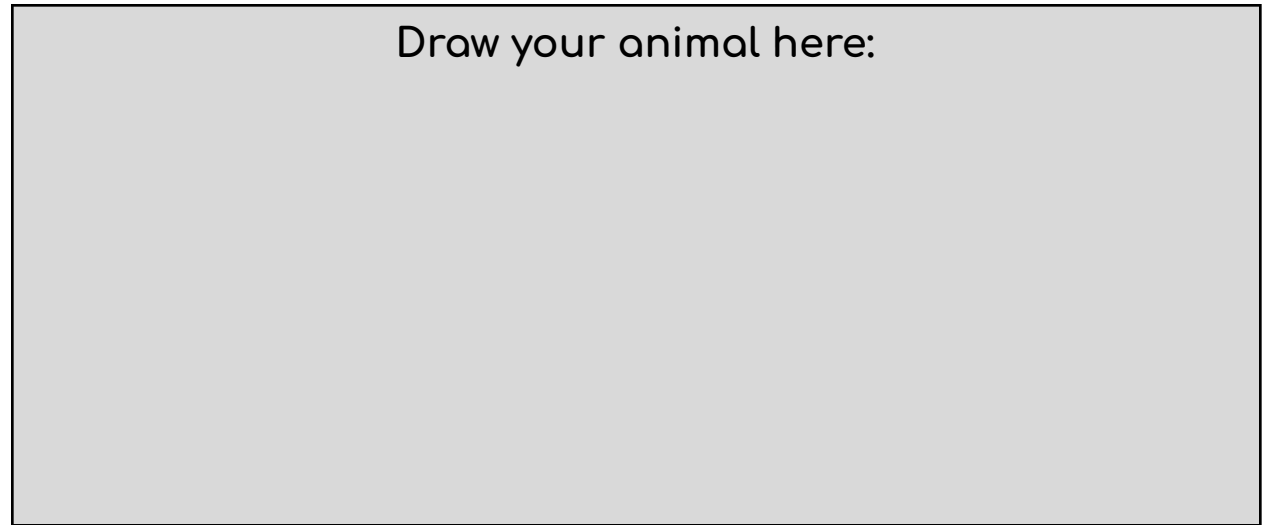
8 **Green Moray Eel**

# Animal Observations

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.

Animal: \_\_\_\_\_

Draw your animal here:



List 5 physical characteristics/adaptations (body shape, coloration, number of limbs, etc):

What do these adaptations help the animal do? (Avoid predators, catch prey, camouflage, etc)



Observe your animal's behavior for three minutes. Fill out the following behavioral observation chart. Put a tally 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 space provided:

Animal: \_\_\_\_\_

Behaviors Seen	Minute 1	Minute 2	Minute 3	Total Tallies
Eating				
Chasing				
Hiding				
Playing				
Breathing				
Sleeping				

What behavior did you see your animal do the most?

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.)

