

Name: \_\_\_\_\_



MAUI OCEAN CENTER

THE HAWAIIAN AQUARIUM



Maui Ocean Center Learning Worksheets

FIRST GRADE



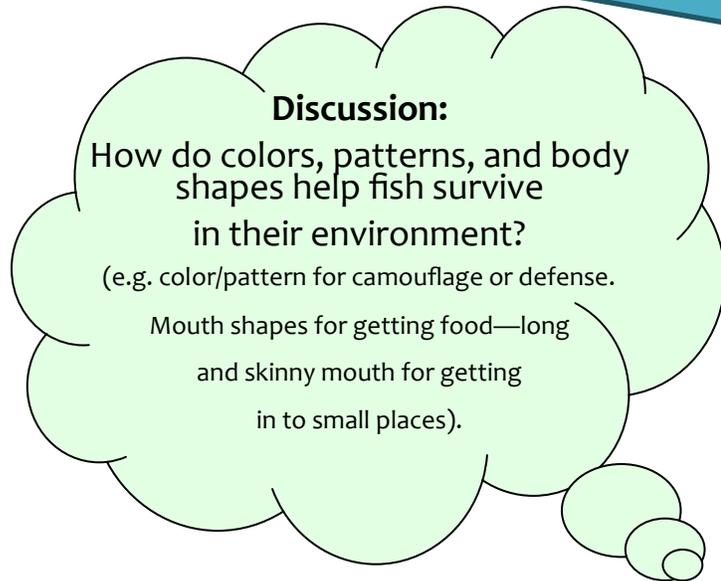
Our mission is to foster understanding,  
wonder and respect for Hawai'i's marine life.

**SAME OR...**

**DIFFERENT?**



\*Note to instructor: As you walk through the aquarium, make note of similarities or differences among the fish. Encourage your students to notice color, pattern, shape of body, tail, mouth, etc.



**Choose two different fish. In the space provided below record differences and similarities between the fish you chose.**

First Fish: \_\_\_\_\_ Second Fish: \_\_\_\_\_

The fish are the **SAME** because \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

The fish are **DIFFERENT** because \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



# MARINE DIVERSITY

## WATER VS. AIR

Not all marine animals can breathe underwater. Some take deep gulps of air and hold their breath underwater for a long time! Do you know which animals can breathe underwater and which cannot? Circle the word WATER or AIR below for where each animal breathes.

<b>Animal</b>	<b>Water</b>	<b>vs.</b>	<b>Air</b>
Sea Turtle	Water	or	Air
Reef Fish	Water	or	Air
Shark	Water	or	Air
Monk Seal	Water	or	Air
Dolphin	Water	or	Air



**Honu**  
**Hawaiian green**  
**sea Turtle**  
Turtle Lagoon,  
Maui Ocean Center

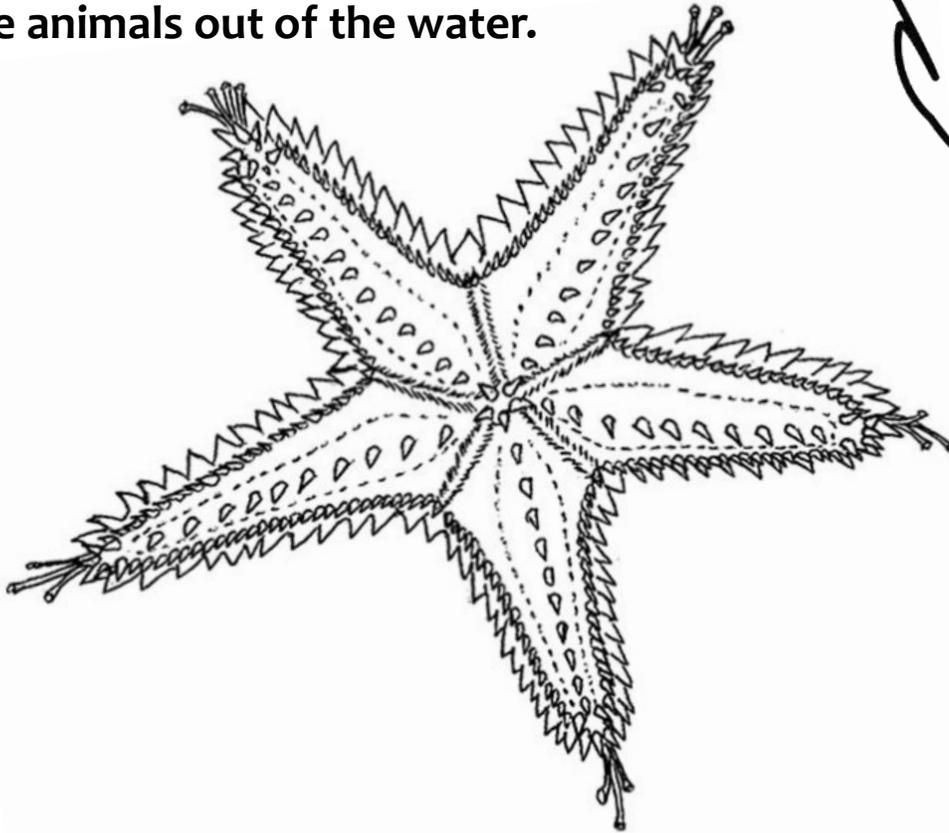


# LET'S COUNT!

# HOW MANY?

\*Note to instructor: Discuss how to touch these animals so they do not get hurt or stressed. Use the gentle TWO FINGER touch.

Visit the Tide Pool and gently touch the animals. Use a gentle TWO FINGER touch and DO NOT take these animals out of the water.



1. Where is the sea star's mouth? \_\_\_\_\_

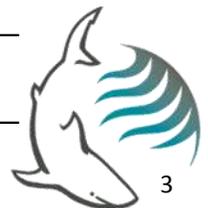
2. What did the sea star feel like? \_\_\_\_\_

\_\_\_\_\_

3. How does the sea star move? \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



# TIDE POOL ANIMALS

## SEA CUCUMBER

Visit the Tide Pool and gently touch the animals. Use a gentle TWO FINGER touch and DO NOT take these animals out of the water.



1. Where is the sea cucumber's mouth? \_\_\_\_\_

2. What does the sea cucumber feel like? \_\_\_\_\_

\_\_\_\_\_

3. What does the sea cucumber eat? \_\_\_\_\_

\_\_\_\_\_



# TIDE POOL ANIMALS

## SEA URCHIN

Visit the Tide Pool and gently touch the animals. Use a gentle TWO FINGER touch and DO NOT take these animals out of the water.



1. What does the sea urchin feel like?

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2. Why does this animal have spines?

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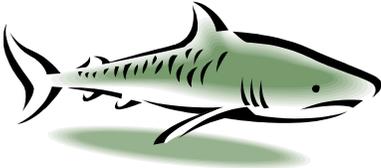
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# OPEN OCEAN ANIMALS

## RECORDING DATA

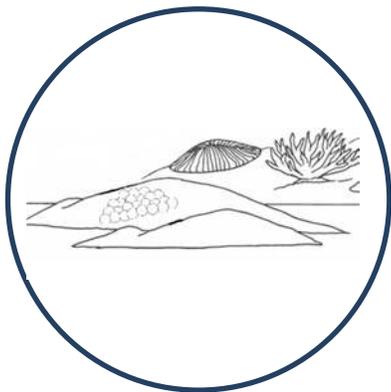
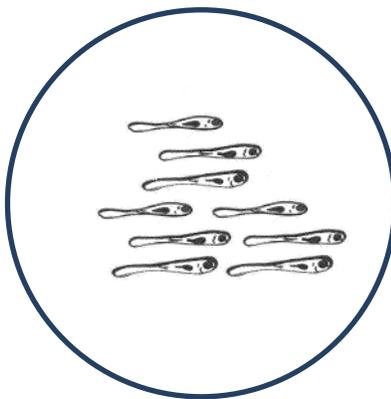
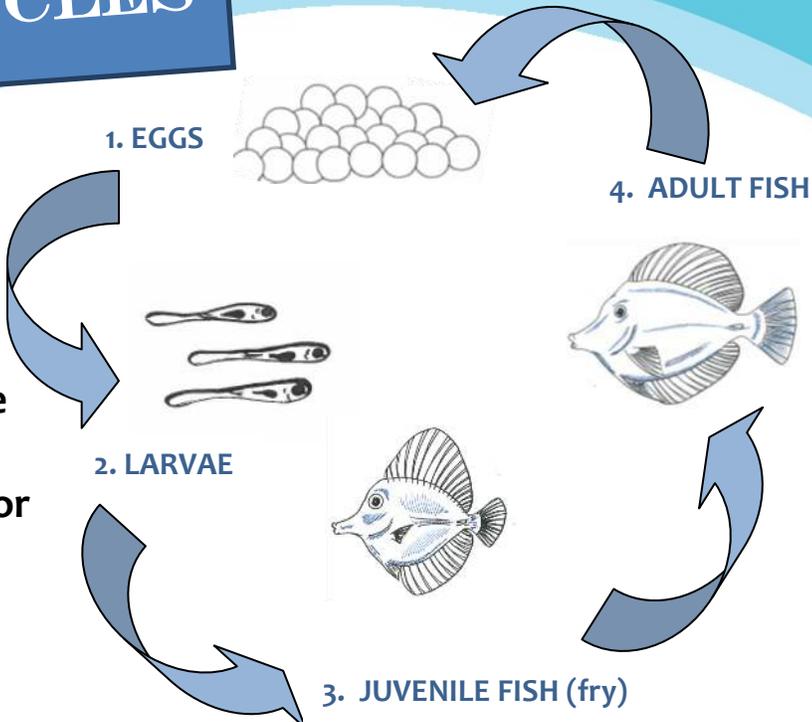
Find these animals within the Open Ocean Exhibit. Make observations and answer the questions above for each type of animal. This is how you record data. When you are finished, share your findings with the others in your group.

Animal	How many did you see?	Were they moving fast or slow?	Was this animal swimming alone or in a group?
 Shark (Manō)			
 Giant Trevally ( <i>Ulua aukea</i> )			
 Stingray (Lupe or Hihimanu)			



# ANIMAL LIFE CYCLES

Marine animals go through many different stages of life. The drawing to the right shows the life-cycle of fish from eggs to larvae to juvenile fish (or fry), then adult fish. Write the number and name for the different stages of life that the Yellow tang is going through in the drawings below.



**Discussion:**  
 What are the differences between each stage of life?  
 (Think about their size, diet and habitat).



**VOCABULARY**  
 Larvae  
 Juvenile



# FIND US!

AT MAUI OCEAN CENTER

## Discussion:

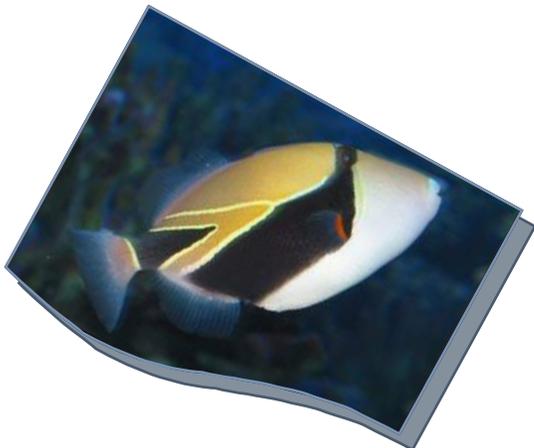
What did you learn about each animal while you were at Maui Ocean Center?



Find the animals you saw and write the name of each animal on the blank lines next to the picture and description using the word bank on this page.

## Word Bank

sea turtle      hammerhead shark  
stingray      coral  
sea jelly      octopus  
humuhumunukunukuapua'a



I am the Hawai'i State Fish.

What is my Hawaiian name?

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FIND US!

AT MAUI OCEAN CENTER



I look like a colorful rock, but I am actually a living animal! What am I?

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I have a wide head and sharp teeth. What am I?

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I have a hard shell and breathe air. What am I?

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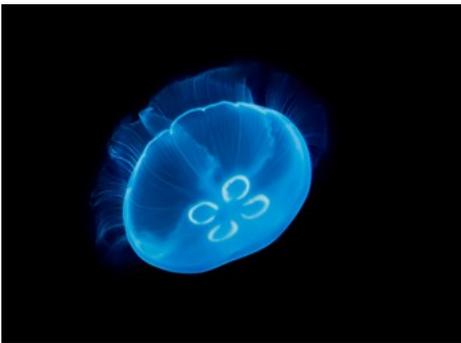
FIND US!

AT MAUI OCEAN CENTER



I have eight arms and can change my shape and color. What am I?

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I have a clear body and drift in currents. What am I?

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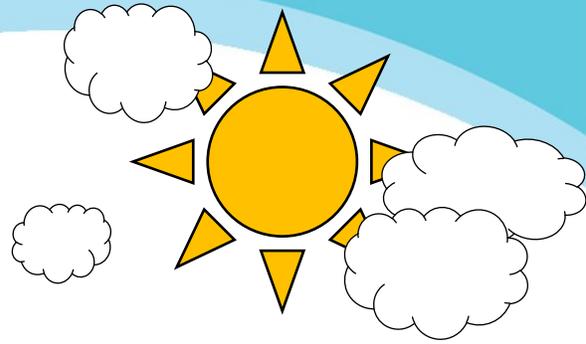
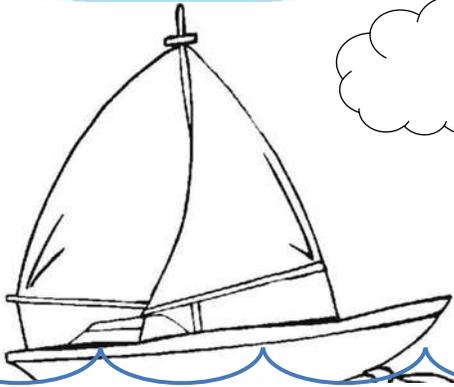


I am flat and look like I'm flying through the water. What am I?

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# WORD SEARCH



**Directions:** Find each word hidden in the puzzle and circle it. The first one is done for you.

D	F	I	S	H	G	J	A	S	B
A	E	V	H	S	R	E	F	E	G
C	O	R	A	L	R	L	G	A	O
A	C	B	R	F	U	L	Y	T	C
K	E	R	K	T	H	I	U	U	T
O	C	E	A	N	E	E	L	R	O
L	M	S	T	Q	V	S	O	T	P
R	E	E	F	E	W	H	P	L	U
A	S	D	F	G	H	J	B	E	S
C	R	A	B	B	N	M	A	B	C

## Word List:

CORAL  
CRAB  
EEL  
FISH  
SEA TURTLE  
JELLIES  
OCEAN  
OCTOPUS  
REEF



# SUNLIGHT

Sea turtles are a cold-blooded animal, which means that they rely on the warmth of the sun and the coolness of the ocean to control the temperature of their body. When turtles come out of the cool water and onto the warm sand, it is called **basking**. By doing this they are able to regulate their body temperature. Humans, like all mammals, are warm-blooded. Our bodies self-regulate the temperature of our blood for us.

Sea turtles will bask for hours and it is very important not to bother them while they are resting!

**Color this picture of  
a green sea turtle  
basking on the  
beach!**

