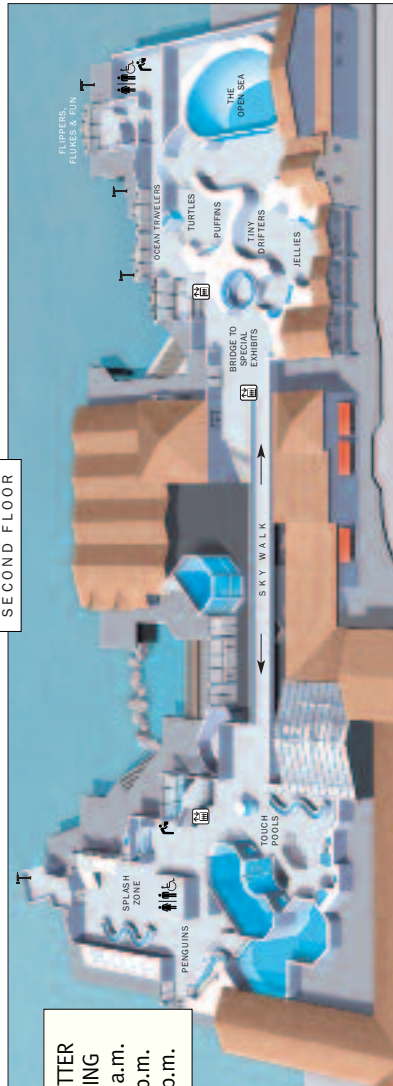


# Map



SEA OTTER  
FEEDING  
10:30 a.m.  
1:30 p.m.  
3:30 p.m.



KELP  
FOREST  
FEEDING  
11:30 a.m.  
4:00 p.m.

# MONTEREY BAY AQUARIUM

## Kelp Forest Communities



NAMES:

## Ocean Explorers Observation Guide

# Kelp Forest Communities Review

## What did you learn?



- The kelp forest community, rich and ever-changing, is made up of all the living things within the kelp forest.
- *Abiotic* (nonliving) factors like rocks, water temperature and the amount of sun determine where giant kelp thrives.
- Hundreds of species of animals and algae—each with its own unique adaptations for survival—call the kelp forest home.
- Kelp forests only grow close to shore and our actions on land impact them.



# Conservation Connections

## How can you care for the kelp forest?

Keep streets clean. Trash and pollutants end up in storm drains which usually lead to the ocean.



Keep learning about kelp forest communities!

- Watch a kelp forest feeding show or check on your favorite kelp forest community member by viewing our live Kelp Forest webcam: [www.montereybayaquarium.org/efc/cam\\_menu.aspx](http://www.montereybayaquarium.org/efc/cam_menu.aspx)
- To learn how you can protect sea otters, visit Monterey Bay Aquarium's Sea Otter Research and Conservation website: [www.montereybayaquarium.org/cr/sorac.aspx](http://www.montereybayaquarium.org/cr/sorac.aspx)
- Be a seaweed sleuth. Many household products contain seaweed. Alginate, carrageenan and agar are the names of algae products you might find in the list of ingredients on items you use at home.



# Monterey Bay Habitats Deep Reef



Compare the Deep Reef exhibit to the Kelp Forest exhibit.

For each fish pictured below, write a letter “T” next to those you often find at the top and a letter “B” next to those you often find at the bottom of the Monterey Bay Habitats Deep Reef exhibit.



VERMILION ROCKFISH



CHINOOK SALMON



STRIPED BASS



HALIBUT

What is the difference between the Deep Reef exhibit and the Kelp Forest exhibit? **BONUS:** name one biotic (living) and one abiotic (nonliving) difference.

# First Floor Kelp Forest

What can you find in kelp forest communities?



Kelp forest creatures dwell at every level. Sketch one animal that you can find in each layer of the Kelp Forest exhibit.



CANOPY

MID-KELP

HOLDFAST AND FLOOR

Find and list one biotic (living) and one abiotic (nonliving) part of the Kelp Forest exhibit:

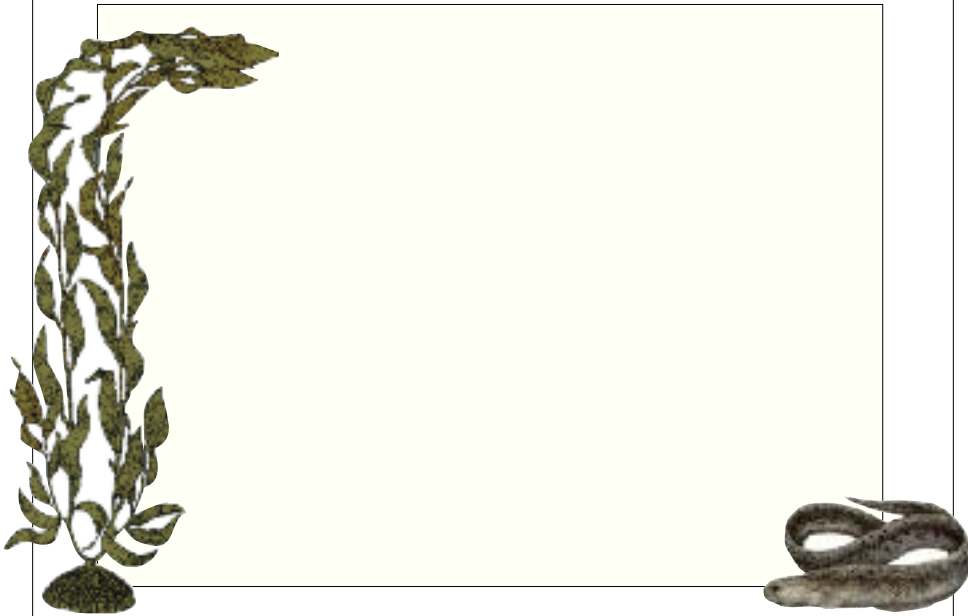
BIOTIC = \_\_\_\_\_

ABIOTIC = \_\_\_\_\_

## Second Floor Kelp Forest

### How do animals survive in the kelp forest?

Choose your favorite animal in any of the kelp forest exhibits and sketch it.



How do you think your animal moves or protects itself?

What layer of the kelp forest do you think your animal lives in? Why?



## Second and Third Floor Kelp Forest

### What does giant kelp need to grow?



Go to the [Grow a Giant Kelp Forest Interactive](#) across from the touch pools on the second floor.



Walk up to the [third floor of the Kelp Forest](#) for a bird's eye canopy view.

What three things does a kelp forest need to grow?

1.

2.

3.

How does the Aquarium provide these things?

1.

2.

3.