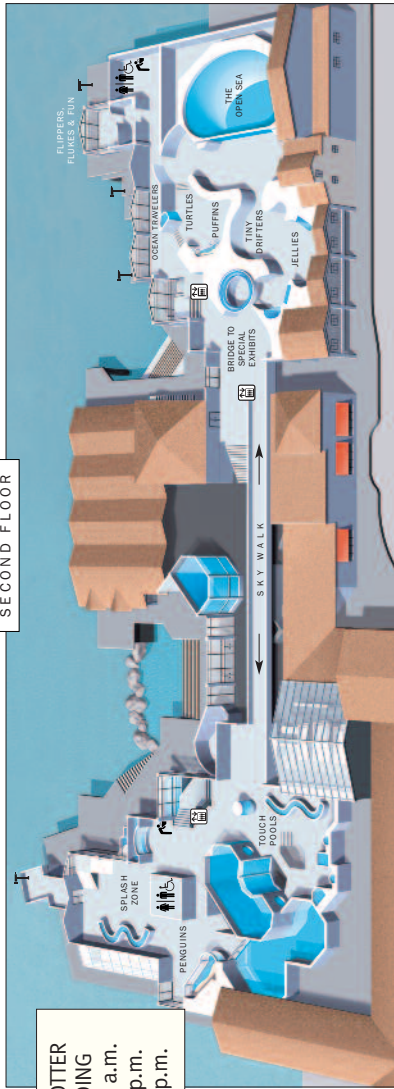
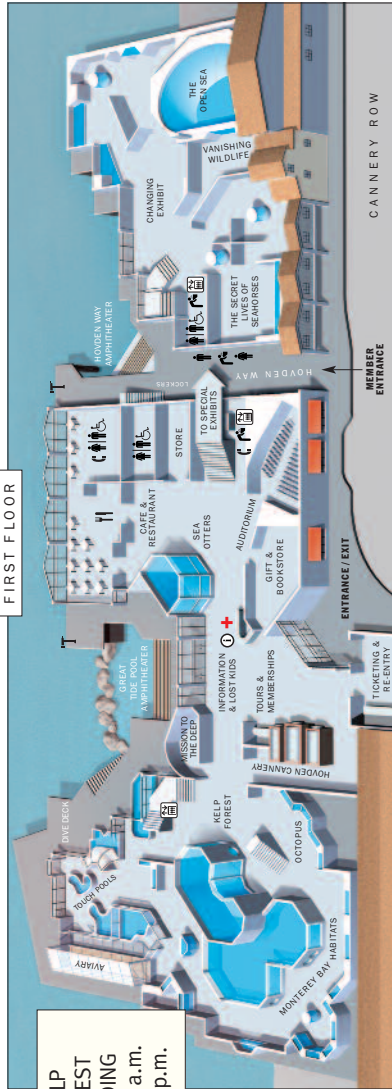


Map



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

A Tale of Tuna



NAMES:

Ocean Explorers Observation Guide

A Tale of Tuna Review



What did you learn?

- Tuna are one of the ocean's greatest animal athletes. Tuna are designed for speed, for traveling vast distances and for their role as top ocean predators.

Their adaptations include:

- A streamlined, torpedo-shaped body
 - Long, stiff pectoral fins
 - A crescent-shaped caudal fin
 - A higher proportion of red muscle fibers
 - A spiny portion of dorsal fin that folds into a groove
 - Dorsal and anal finlets
 - Eyes that form a smooth surface with their head
 - A countercurrent heat exchange system
- Caring for tuna at the Monterey Bay Aquarium is fascinating, yet sometimes tricky, work!
 - Technological tags tell tuna secrets from around the globe.
 - Our actions affect the future of tuna. People made the ocean safer for dolphins and now tuna need your help, too.



Conservation Connections

How can you help care for tuna and other fishes in the ocean?

- Use the Monterey Bay Aquarium's Seafood Watch pocket guide to make informed seafood choices. The pocket guide can be downloaded onto your cell phone! To learn more, visit: www.seafoodwatch.org



- Learn more about the Aquarium's tuna conservation efforts. Visit: www.montereybayaquarium.org/cr/trcc.aspx
- Learn about tuna tagging and see where tagged tuna are roaming the seas. Visit the Tagging of Pacific Predator's (TOPP) website: www.topp.org
- Get involved in community service organizations working to protect our ocean.

Aquarium-wide

Your everyday consumer choices make a difference in the health of the ocean.

Find the animals pictured below in the Aquarium and name the habitat in which you found them. Use a Seafood Watch pocket guide to indicate if the animal is a best choice, a good alternative or one to avoid.

✓ = we found it!



Habitat	Seafood Watch Rating
_____	_____
_____	_____
_____	_____
_____	_____

Which of the fishes above is listed in all three categories (best choice, good alternative, avoid) on the Seafood Watch pocket guide?

Why? Feel free to ask a volunteer for help answering this question!

Open Sea

Tuna have amazing adaptations allowing them to be top ocean predators.

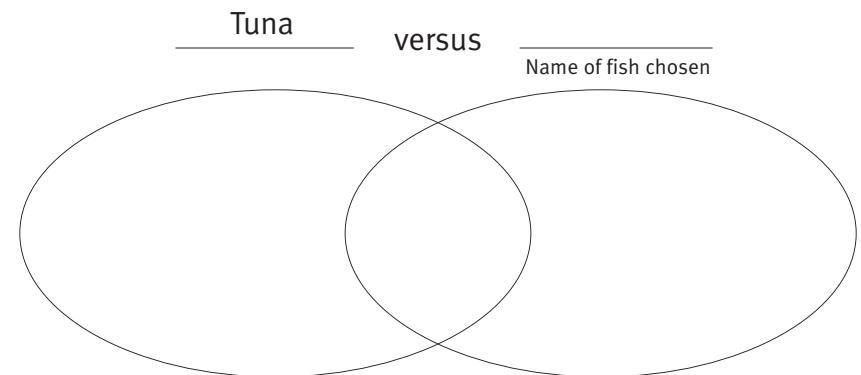
Label the tuna's physical adaptations on the drawing below.



Approximately what percentage of the tuna do you see swimming with their mouths open? With their dorsal fin lowered?

Explain your observations based on what you know about tuna.

Using the Venn diagram below, compare and contrast a tuna to a fish of your choice.

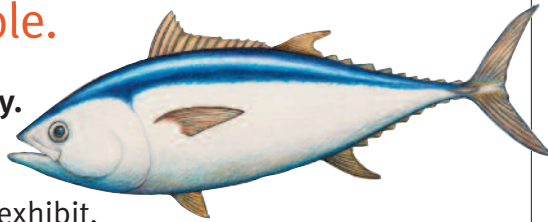


Vanishing Wildlife

Tuna are remarkable open ocean animals facing serious challenges created by people.

Observe the tuna closely.

Observe a tuna and a shark swimming in this exhibit.
Which fish has a more rigid body?
Which fish has greater flexibility?



Describe the common physical characteristics that tuna share with other animals you observe in this exhibit.



List one reason tuna populations are in danger.

What is something you can do to help tuna?

Real Cost Café

Tuna is a popular food choice, but is it the best choice?

Visit the *Real Cost Café* in Ocean's Edge and order a menu item.

Write your menu selection here: _____

What did the actors say about the item you selected?

Aquarium-wide

Biologists tag animals, like tuna, to better understand them.

Aquarium staff use different items to identify animals in exhibits. Find two of the animals shown below and observe them closely. What does the Aquarium use to identify these animals?

 = we found it!



BLACKFOOTED PENGUIN



CURLEW



PUFFIN



COMMON MURRE

Why might it be important for Aquarium staff to be able to identify these animals?