



Aquarium Webcam Resource Kit
Lesson 1: “Ocean Habitats”
K-2nd Grade

Next Generation Science Standards:

- **K-LS1-1.** Use observations to describe patterns of what plants and animals (including humans) need to survive.
- **2-LS4-1.** Make observations of plants and animals to compare the diversity of life in different habitats.

Supplies:

- Ocean Habitats video
- Ocean Ranger Worksheets
- Computer & projector to show Blue Cavern & Tropical Pacific Webcams:
<http://www.aquariumofpacific.org/exhibits/webcams>

Step 1: Class Discussion

- On land there are many different places an animal can live. (Have students come up with some examples).
- We call these animal homes: *Habitats*
- *Think Pair Share:* Think of an animal that lives in the ocean, and share with your neighbor what you think its habitat is like.
- Share as a group some examples of ocean habitats. Today we will be exploring two different habitats, the kelp forest and the coral reef.

Step 2: Play “Habitats” Video & Follow up

- Note: at the end of the video there are two slides with animals from each habitat shown as review.
- Prompts
 - What did you learn about these different underwater habitats?
 - What was the same/ different?

Step 3: Webcams & Ocean Ranger Worksheets

- Watch the *Blue Cavern* and *Tropical Reef* exhibit webcams to fill out the Ocean Ranger “Ocean Habitat” worksheet.
- Worksheet Directions:
 - Build your own kelp forest and coral reef by matching animals to their habitats. Students can draw add it animals observed on the webcams.

- Class discussion: what do plants and animals need in their habitat?
 - Why do you think these animals live in a coral reef or a kelp forest?
Places to hide, find food
 - How does coral protect itself? Give some examples of how a fish might protect itself?
With a hard skeleton. Fish can hide in the coral reef or kelp
 - How is coral different from kelp?
Coral is an animal and needs food. Kelp is like a plant and needs sunlight to grow. Both provide food and shelter for other animals.
 - Do all of the animals eat the same food?
Hint: have students look at their mouths. Many of the animals eat food that is of different sizes, and find it in different places in their habitat.

Extended

- As a class pick one animal from each habitat to further explore.
- Aquarium of the Pacific On-line Learning Center:
<http://www.aquariumofpacific.org/onlinelearningcenter>