



Marine biologists can ask questions about:

- » Size and shape of fish
- » Habitats (where fish live)
- » Colors of fish
- » Locomotion (how fish move)
- » Group behavior (how fish interact)

Marine biologists can answer questions by:

- » Asking an expert
- » Reading science publications
- » Planning an investigation
- » Making further observations

I am a scientist who asks questions about _____ .

OBSERVATIONS	QUESTIONS
<i>I notice that...</i>	<i>Where...</i>
	<i>What...</i>
	<i>How...</i>
<i>It seems like ...</i>	<i>What causes...</i>
	<i>How many...</i>
	<i>Can...</i>
<i>I directly see that...</i>	<i>What if...</i>
	<i>Does...</i>

Because I observed that _____, the question I have is _____ .

Virtual Field Trips

To participate in an Academy-led shark investigation, read more about virtual field trips here:

<http://www.calacademy.org/educators/virtual-field-trips>

Book a virtual field trip before December 1st for the month of December to receive a 20% discount. Title I schools always receive 50% off Virtual Field Trips.

View Academy penguins, shark lagoon, and coral reef webcams:

- » <http://tinyurl.com/AcademyWebCams>

What can you do with a live animal webcam?

- » Get excited about animals before introducing a science topic
- » Observe and compare animal habitats (example: wild vs captive)
- » Ask questions, then choose testable questions
- » Plan and carry out an investigation

Things to keep in mind when choosing a webcam to use

- » What is most compelling to your students.
- » Is there frequent activity from the feed? Or multiple animals to follow?
- » Can you actually see things?
- » Are there distracting objects in view?

Where to find live animals webcams

A google search for “live animal webcams” will give you lots of results, so use the above list to evaluate any cameras you are thinking of using. Here are just a few organizations that have live webcams.

- » National Zoo: <http://nationalzoo.si.edu/animals/webcams/>
- » Houston Zoo: <http://www.houstonzoo.org/meet-the-animals/animal-webcams/>
- » San Diego Zoo: <http://kids.sandiegozoo.org/animal-cams-videos>
- » Monterey Bay Aquarium: <http://www.montereybayaquarium.org/live-web-cams>
- » National Aquarium: <http://aqua.org/webcams>
- » Aquarium of the Pacific: <http://www.aquariumofpacific.org/exhibits/webcams>

The Aquarium of the Pacific also has lesson plans to use with their live webcams:

http://www.aquariumofpacific.org/teachers/resources/lesson_plans/fish_for_a_day