

Sustainable Seafood Program Resources



Key Concepts

- Adoptions are influenced by environmental pressures, both abiotic and biotic.
- There are trade-offs, both advantages and disadvantages to adaptations.
- Animals have important responsibilities and roles in their environment.
- Predator and prey interactions are important for the health of an ecosystem.
- Human actions have a lasting impact on animals and their ecosystems.
- The ocean supports the necessities of life.
- What it means to be sustainable.

Key Vocabulary

Adaptation = a change or the process of change by which an organism or species becomes better suited to its environment

Sustainable = to be maintained or upheld. Environmental sustainability means taking what we need to support ourselves, while still preserving enough resources (includes organisms, abiotic features and habitat) for others and future generations to use.

Bycatch = the unwanted fish and other marine creatures caught during commercial fishing for a different species.

Habitat damage = results from numerous human-related activities, including coastal development, pollution, and the use of destructive fishing gear

Overfishing = occurs when marine species stocks are being removed from the ocean faster than they can reproduce

Discussion Questions

- What does our environment look like? Identify the abiotic and biotic factors within your own ecosystem.
- What challenges to animals face in your ecosystem? How have these animals adapted to living in their environment?
- What are the benefits and disadvantages of the fishing industry?
- Can there be sustainable fishing?
- How can your everyday actions affect the ocean?

Videos

Ghost Gear: the Phantom Menace Haunting our Oceans | Ocean Wise:

<https://www.youtube.com/watch?v=u7fKlj08ges&t=3s>

This is a Sustainable Fish | Prevention Magazine:

<https://www.youtube.com/watch?v=6ps0truARKs&t=2s>

The Unsettling Truth About Shrimp | Explainer | Ocean Wise:

https://www.youtube.com/watch?v=l2Co97_0Lv4&index=4&list=PLckztJB7Fe0WXiKxqtIUd1nO09B-jxrya

Ocean Wise Song | Vancouver Aquarium:

https://www.youtube.com/watch?v=WytbS5reO2g&index=7&list=PLY_O2FmTrQ_HpeKXPBCelmFHoi2_gad_3

360 Virtual Reality Experience on a Canadian Lobster Fishing Boat | Fisheries Canada:

<https://www.youtube.com/watch?v=cccWZsE9DFk>

Extra Resource Links

Take the Plastic Pledge! <http://ocean.org/plastic-wise/>

Ocean Wise Life: <http://seafood.ocean.org/>

Great Canadian Shoreline Cleanup: <http://shorelinecleanup.ca/>

The Fish Game: <https://cloudinstitute.org/fish-game/>