

the Water Brothers **EPISODE GUIDE QUESTIONS**

THE LEAST DEADLIEST CATCH

1. What percent of global fish stocks are overfished or fully depleted?
2. What fish population collapsed in Canada and had to be banned from commercial fishing in 1992?
3. Describe what is seafood sustainability.
4. What is bycatch?
5. How is most shrimp caught? Why is this not a sustainable method of fishing?
6. Describe how the Water Brothers caught shrimp using a sustainable fishing method. Briefly explain why it is sustainable.
7. The Water Brothers caught fish with fisherman Beau Gillis using a method called bottom long lining. Why was this method sustainable?
8. Why is bottom trawling not sustainable?
9. True or False: Some seaweed has more protein than red meat, more vitamin C than citrus fruits and more vitamin D than milk.

Provide two questions that you can ask that will help determine if your seafood is sustainable.

the Water Brothers EPISODE GUIDE ANSWERS

THE LEAST DEADLIEST CATCH

1. **What percent of global fish stocks are overfished or fully depleted?** 85% of global fish stocks are overfished or fully depleted.
2. **What fish population collapsed in Canada and had to be banned from commercial fishing in 1992?** Atlantic cod collapsed in Canada and had to be banned from commercial fishing in 1992.
3. **Describe what is seafood sustainability.** Seafood sustainability is seafood that is caught using fishing methods that do not harm the environment, which do not deplete fish populations and produce little bycatch.
4. **What is bycatch?** Bycatch is fish that is unintentionally caught while fishing.
5. **How is most shrimp caught? Why is this not a sustainable method of fishing?** Most shrimp is caught by the fishing method “trawling”. This is not a sustainable method of fishing because it produces high amounts of bycatch – marine animals such as skates, rays and sharks are accidentally caught and die, and go to waste.
6. **Describe how the Water Brothers caught shrimp using a sustainable fishing method. Briefly explain why it is sustainable.** The Water Brothers caught shrimp using traps. This is a sustainable method of catching shrimp because it is not producing bycatch.
7. **The Water Brothers caught fish with fisherman Beau Gillis using a method called bottom long lining. Why was this method sustainable?** Bottom long lining is a sustainable fishing method because it causes less bycatch than bottom trawling.
8. **Why is bottom trawling not sustainable?** Bottom trawling is not sustainable because it produces large amounts of bycatch and harms the environment.
9. **True or False: Some seaweed has more protein than red meat, more vitamin C than citrus fruits and more vitamin D than milk.** True.
10. **Provide two questions that you can ask that will help determine if your seafood is sustainable.**
Types of questions that you can ask to make sure your seafood is sustainable are: Where did this seafood come from? How was it caught or where was it grown? If the person can't answer these questions, it's best not to buy it.

the Water Brothers EPISODE GUIDE ACTIVITIES

THE LEAST DEADLIEST CATCH

Global Fish Stocks

- <http://worldoceanreview.com/en/wor-2/fisheries/state-of-fisheries-worldwide/>
- <http://www.bbc.com/future/story/20120920-are-we-running-out-of-fish>

Seafood Sustainability

- <http://www.oceanwise.ca/about/sustainable-seafood>
- <http://www.davidsuzuki.org/issues/oceans/science/sustainable-fisheries-and-aquaculture/what-is-sustainable-seafood/>
- http://www.wwf.ca/conservation/oceans/sustainable_seafood/

Sustainable Fishing Methods

- <http://education.nationalgeographic.org/encyclopedia/sustainable-fishing/>
- <http://animals.howstuffworks.com/animal-facts/top-5-sustainable-fishing-practices.htm>