**Fisheries Webquest Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period:\_\_\_\_\_\_\_**

**Overfishing is a problem that is affecting the entire planet. Many of the most popular and**

**at one point most prominent fish species are now in serious danger of becoming extinct.**

**Fishing fleets have grown twice as fast as the rise in catches.**

**Our fishing practices have become archaic, for example in recent years spent fisherman**

**have spent $125b to catch only $70b in fish (that’s a $55 billion dollar loss). Fishermen are**

**only able to sustain this style of fishing because of government subsidies, which simply lead**

**to more overfishing.**

**In this web quest you will be researching the 6 types of fishing that are leading to the**

**decline as well as researching a few of the alternative methods that could save our fisheries.**

**Part 1 – The Problem: (Answers can be found at www.overfishing.org)**

**1. What is overfishing? (Pick one of the three definitions)**

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**2. What is causing overfishing?**

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**3. How large is our current global fishing capacity?**

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**4. Use the example of Newfoundland to explain why overfishing is a problem. Could this**

**spread to other areas?**

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**5. What does fishing down the food web mean?**

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**Part 2 - The Methods (https://www.seafoodwatch.org/ocean-issues/fishing-and-farming-methods )**

**Define the following types of fishing:**

**1. Trawls and Dredges**

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**2. Purse Seine**

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**3. Long Lining**

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**4. Gillnetting**

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**5. Harpooning**

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**Part 3 – The Reasons (**[**https://www.seafoodwatch.org/ocean-issues/wild-seafood/overfishing**](https://www.seafoodwatch.org/ocean-issues/wild-seafood/overfishing)**)**

**1.What is the current state of the World’s fisheries?**

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**2. Why are large fish the first to be caught and how does this affect the World’s fisheries**

**(think reproduction)?**

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**3. What happens to large fish when fishermen start to focus on animals that are lower on the**

**food chain?**

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**Part 4 – Unintended Consequences** [**https://www.seafoodwatch.org/ocean-issues/wild-seafood/bycatch**](https://www.seafoodwatch.org/ocean-issues/wild-seafood/bycatch)

**1. How many fish are caught either dead or dying and are simply discarded?**

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**2. Describe bycatch.**

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**3. What are the two fishing methods with the most bycatch?**

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**4. How many sharks and sea turtles have been affected by bycatch?**

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**Part 5 – The Solution**

**1. Read the article at https://www.fisheries.noaa.gov/insight/catch-shares.**

**Explain how catch Share Programs are helping to eliminate overfishing.**

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**2. Research on your own. What is aquaculture? What are some of the benefits of aquaculture? What are the potential negatives associated with aquaculture?**

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**Use the following website to fill in the blanks on the chart**

**http://overfishing.org/pages/Overfishing\_in\_one\_minute.php?w=pages**

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