Trends in Biotic Resource Use Notes

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**Syllabus Link:** Trends in biotic resource use (fish and mammals) and the viability of alternatives to overfishing, including aquaculture, conservation areas and quotas

**Task:** Use the handout reading from Planet Geography and the resources on adorngeo and in google classroom to take notes on this topic.

1. **Define** the terms
   * Bycatch
   * Sustainable yield
   * Maximum yield
   * Reproductive age
   * Quota
   * Deep sea trawling
   * Marine reserve
2. **Describe** the global pattern of fishing and identify the top 5 nations that catch the most ocean fish.
3. **Describe** the global trend in the state of marine fish stocks over the last few decades.
4. **Explain** why marine fishing has increased.
5. **Explain** how the tragedy of the commons can apply to overfishing of the oceans.
6. **Identify** longer-term consequences for the environment and economy of overfishing and explain what fishing techniques make this worse.
7. **Summarize** one case study of overfishing of either tune or cod.
8. **Discuss** alternatives to overfishing.
9. **Explain** how marine reserves work andgive specific details of one.
10. **Define** aquaculture and evaluate it’s effectiveness as an alternative to deep sea fishing.