

General Oceanography
Geology 105
Expedition 2 - Marine Resources
Complete by Thursday at 8:00 PM

Name _____

Expedition Objectives

- Examine the use of resources provided by the ocean and their benefit to global society,
- Provide a background for the United Nations Convention on the Law of the Sea,
- Examine two hotspots that could result in global conflict over access to marine resources
- Homework - postings in Expedition 1 Learning Group Discussion in Canvas, two multiple choice questions on the allocation of marine resources according some aspect of the United Nations Convention on the Law of the Sea

View Don's YouTube Video at <http://youtu.be/w9LUxtP9HSU> and follow along by answering questions in the worksheet (26 minutes)

Question numbers below correspond to slide numbers in video

1. What is the name of the expedition?

2. What is a resource?

What is one resource provided by the ocean?

3. What is the name of this resource provided by the ocean?

Why is this resource important to global society?

4. What is the name of this resource provided by the ocean?

Why is this resource important to global society?

5. What is the name of this resource provided by the ocean?

Why is this resource important to global society?

6. What is the name of this resource provided by the ocean?

Why is this resource important to global society?

7. What is the name of this resource provided by the ocean?

Why is this resource important to global society?

8. What is the name of this resource provided by the ocean?

Why is this resource important to global society?

9. What is the name of this resource provided by the ocean?

Why is this resource important to global society?

10. What is the name of this resource provided by the ocean?

Why is this resource important to our nation?

11. What is the name of this resource provided by the ocean?

Why is this resource important to global society?

12. What is the name of this resource provided by the ocean?

Why is this resource important to global society?

12. Who Owns the Sea?

Are the resources of the ocean limitless?

Is our current use of these resources sustainable?

14. What is the United Nations Convention on the Law of the Sea (UNCLOS)?

15. How is the territorial right of a coastal nation to the adjacent ocean area determined?

How is the exclusive economic right of a coastal nation to the adjacent ocean area defined?

16. How does the global map of national sovereignty change when each nation's marine exclusive economic zone is included?

Which nation gained the most territory with the declaration of the exclusive economic zones in the United Nations Convention on the Law of the Sea (UNCLOS)?

17. Which two regions may prove to be flashpoints for global conflict because of overlapping claims to exclusive economic zones that could provide rights to a wealth of oil and gas?

18. View the video from Voice of America "*China Irks Neighbors as Tensions Rise in South China Sea*" at <http://youtu.be/YmNqFn3houQ> (4 minutes)

What is the nature of this dispute?

19. View the Documentary "*The South China Sea: Troubled Waters*" for the USC U.S. China Institute at <http://youtu.be/W-CDMSOGaRY> (12 minutes)

What are the key issues facing this region?

Why are the nations in this region vying over the resources in the South China Sea?

Why may be the role of the U.S. in this region?

21. Let's move on to the Race for the Arctic by first listening to *Trying To Unravel The Mysteries Of Arctic Warming* by RICHARD HARRIS (August 20, 2011) (5 minutes) at:

<http://www.npr.org/2011/08/20/139754902/trying-to-unravel-the-mysteries-of-arctic-warming>

Take any notes you wish

How much has temperature changed in this region?

Why is the ice in the Arctic melting and what are the implications of the loss of the ice?

22. View the map at *The Arctic's Diminishing Sea Ice* (August 15, 2011) (5 minutes) (no audio segment on this page)

<http://www.npr.org/2011/08/15/139261223/the-arctics-diminishing-sea-ice>

Take any notes you wish

23. Listen to *In The Arctic Race, The U.S. Lags Behind* (August 19, 2011) (8 minutes)

<http://www.npr.org/2011/08/19/139681324/in-the-arctic-race-the-u-s-lags-behind>

Take any notes you wish

24. *Russia Pushes To Claim Arctic As Its Own* by DAVID GREENE (August 16, 2011) (8 minutes)

<http://www.npr.org/2011/08/16/139577789/russia-pushes-to-claim-arctic-as-its-own>

Take any notes you wish

Why is the melting of sea ice in Arctic region critical to the national interests of China, Canada, the U.S., and Russia, Greenland?

25. Check Canvas for any required reading assignments for this expedition that are posted online

Homework assignment - Develop and post in your expedition learning group two multiple choice questions with answers (e.g. a, b, c, d, and e) on the issues of marine resources and the United Nations Conference on the Law of the Sea?

You will also be asked to peer review the posted questions of other students in your learning group