

EXPLORING THE OCEANS -

A Poster Project

Complete the following tasks to help answer the questions and build an awesome poster about the zones and other characteristics of the world's oceans. You will need to go to dixiemiddlescience.weebly.com and click on the task links to get the information for each part. Good Luck!!

Task 1- The Basics

1. What does pelagic mean?
2. What does benthic mean?
3. The poster is the big white piece of paper. Right now it is blank. Choose one side for the back and write your name and class period on the back. Then on the front, use the picture on top of the website to, **draw** and **label** the pelagic and benthic areas of the ocean poster. Keep it simple.
4. Scroll down a little more on the website page.
5. What is the photic zone?
6. What is the aphotic zone?
7. Use 2 different colored pencils to **outline** the boundary and **label** the photic and aphotic zones.

Task 2 – The Continental Margin

8. What is a continental margin?
9. What contains most of the margin?
10. What is the continental shelf?
11. What is the continental slope?
12. What is the continental rise?
13. The Continental Margin is part of the benthic zone you have already drawn. Choose 3 different colored pencils to **outline** and **label** the shelf, slope and rise on the poster. Use the image on the upper left of the website to help you properly add the labels.

Task 3 – Features on the Ocean Floor

14. Use this diagram to add a few more labels and features on the ocean floor to the poster. Some items are already on your poster, you need to label them. They are: abyssal plain, seamount, and ocean trench.
15. You need to add the following features to the poster: volcanic island and mid-ocean ridge (submarine ridge).
16. Click on the “next” button on the top right of the website page.
17. How is a volcanic island formed?

18. What is a mid-ocean ridge?

Task 4 – Oceanic Division

19. Scroll down a little on this page until you see an image that shows different zones on the ocean floor. They are sublittoral, bathyl, abyssal and hadal. Use a different colored pencil to outline the location of each on the benthic zone (ocean floor).
20. Scroll down towards the end of the website page until you see the title “Sublittoral Zone”.

21. What is the sublittoral zone?

22. What kind of marine life is found in the sublittoral zone?

Task 5 –Oceanic Zones

23. What does bioluminescence mean?

24. Scroll down to the next section until you see the title “Ocean Zones”
25. Where is the neritic zone?

26. Label the neritic ocean zone on the poster by outlining and labeling that part of the ocean zone (the water).
27. Where is the oceanic zone?

28. Label the oceanic ocean zone on the poster by outlining and labeling that part of the ocean zone (the water).Name the 3 zones that are based on the distance from the shore.

Task 6 – Ocean Life

29. What is plankton?

30. Draw 2 types of different plankton on the poster.
31. What is nekton?

32. Draw 4 different types of nekton on the poster.
33. What is benthos?

34. Draw 4 different types of benthos on the poster.