

Zones of the Ocean Poster Project

Oceanographer's Name: _____

Objective: Create a poster of the five major ocean zones including abiotic and biotic factors within each of the zones.

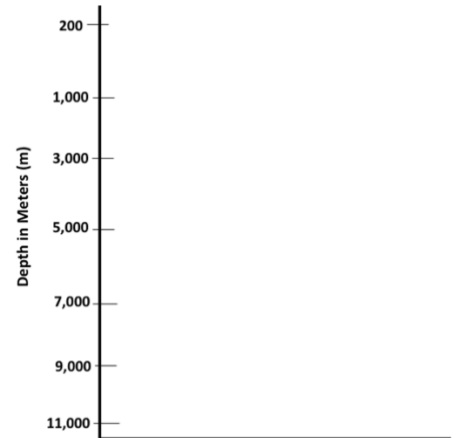
Materials: Poster Paper and Colored Pencils and Markers

Directions:

1. Leave a 3" margin from the sides, top, and bottom. Use a ruler draw a line vertically down the left side of your paper. Label the depths of the ocean in meters as shown in in the image to the right.
2. Draw the bottom of the ocean. Include the following features. Label each feature on your drawing.



- Continental Shelf
- Continental Slope
- Continental Rise
- Ocean Basin
- Trench



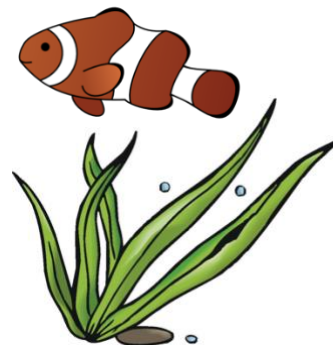
3. Draw each ocean depth zone within your ocean floor diagram from step 1. Include the five depth zones below.
 - *Label each zone on your drawing.
 - *Draw the depth to scale relative to other zones. For example, the hadalpelagic zone is much deeper than the epipelagic zone.

- Depth Zones:
 - Epipelagic Zone (Sunlight Zone)
 - Mesopelagic Zone (Twilight Zone)
 - Bathypelagic Zone (Midnight Zone)
 - Abyssopelagic Zone (Abyss)
 - Hadalpelagic Zone (The Trenches)



4. Draw at least three animals in each depth zone.
 - Label the name of each animal
 - Choose one of the three animals. Under the animal's drawing and name, write one way this animal is adapted to this zone.
5. Draw at least 2 plants in the epipelagic zone.
 - a. Label the name of the plants.
6. Inside each depth zone, list four abiotic factors for each ocean depth zone, such as amount of light, average temperature, amount of oxygen, pressure, current, etc.

GRADING CRITERIA	POSSIBLE POINTS
<i>Epipelagic Zone</i>	
All information is included and correct	15
<i>Mesopelagic Zone</i>	
All information is included and correct	15
<i>Bathypelagic Zone</i>	
All information is included and correct	15
<i>Abyssopelagic Zone</i>	
All information is included and correct	15
<i>Hadalpelagic Zone</i>	
All information is included and correct	15
<i>Use of Class Time and Overall Effort</i>	25



YOUR SCORE: _____

Suggested Websites

Ocean National Geographic:
<https://www.nationalgeographic.org/encyclopedia/ocean/>
 Layers of the Ocean I:
https://www.weather.gov/jetstream/layers_ocean
 Layers of the Ocean II:
<http://www.seasky.org/deep-sea/ocean-layers.html>