

Unit Title: COMMOTION IN THE OCEAN PBL SOL 5.6

Level 3 Question(s) Addressed:

- What are the geologic characteristics of the ocean floor?
- What is underneath the surface of the water?
- How deep is the ocean?

Date(s) Days 3 - 5

Content Standard(s):

- Standard 5.6a
- Standard 5.7e

NOS Aspects

- The natural world is understandable
- Science demands evidence
- Scientific ideas are durable
- Science is a blend of logic & imagination

Student Objective(s) for this lesson:

- The student will investigate and understand geologic characteristics of the ocean environment.
- The student will investigate and understand how Earth's surface is constantly changing due to plate tectonics.

Misconceptions to address in this lesson:

- Misconception 1: the continental shelf has a very steep slope
- Misconception 2: the ocean is same depth everywhere
- Misconception 3: the percentage of Earth covered by H₂O
- Misconception 4: islands float
- Misconception 5: there are many separate oceans
- Misconception 6: the seafloor is flat

Safety Concerns in this lesson:

- Safety 1: None