

**Unit Title: COMMOTION IN THE OCEAN PBL SOL 5.6**  
What are the physical characteristics of the ocean?

**Level 3 Question(s) Addressed:**

- What are the physical characteristics of the ocean?

**Date(s)** Day 6-Day 13

**Content Standard(s):**

- Science 5.1
- Science 5.6

**NOS Aspects**

- All: demanding evidence, social activity, without bias, ideas are durable,

**Student Objective(s) for this lesson:**

- A. We will investigate the physical characteristics of the ocean.
- B. We will discuss how these physical characteristics would effect the energy resource development off the coast of Virginia.

**Misconceptions to address in this lesson:**

1. Waves, tides, and currents are all caused the same way and have the same effect on the water's movement.

**Safety Concerns in this lesson:**

- Be cautious of eyes during labs
- Be careful of the electrical circuit created during water turbine challenge