

## Investigation 2: Ocean Waves

### This investigation will help you to:

- Learn more about waves,
- Learn more about the energy of ocean waves.

To learn more about waves, visit the following web sites:

#### Waves, **Ocean World**

This site includes information about different types of waves, how waves form, a photo gallery of waves, an interactive quiz, links to real-time Data as well as other useful links.

How are ocean waves described?, **NOAA**

Compare ocean waves during calm conditions versus ocean waves during hurricane conditions.

What causes ocean surface waves?, **NOAA**

Test your understanding about how ocean waves form then read the answer.

Tsunami!, **University of Washington**

Read more about how tsunamis form, tsunamis that have happened in the past, and the warning system for tsunamis that could happen in the future.

To learn more about the energy of ocean waves, visit the following web sites:

#### Energy Transport and the Amplitude of a Wave, **The Physics Classroom**

This page is part of a larger site about waves, wave properties, and behavior of waves. There are also a few questions at the end of the reading to check your understanding.

Wave Energy, **Office of Energy Efficiency and Renewable Energy**

Discusses three approaches to capturing wave energy.

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