

Tectonic Plates and Physical Features

Duration: One Class Period (40 - 50 minutes)

Learning Outcome: Students will be able to analyze maps of tectonic plates to predict the location of physical features

Teacher Materials Preparation

Preparatory Materials 1

Watch - Alien Deep: Tectonic Plates
(5:47 mins)

Preparatory Materials 2

Review - Plate Tectonics and Volcanic Activity
(15 mins)

Preset Activity

Gain Information:

Activity:

Watch - Alien Deep: Tectonic Plates
(5:47 mins)

Investigate Map

Explore Data:

Activity:

Click on Plate Boundary on the map while viewing terrain on Earth and in the oceans
(10 mins)

Build Knowledge

Acquire new map layer

Activity:

Add Volcano map layer, View volcano graphs. Compare volcanoes to plate boundaries
(30 mins)

As Time Permits

Students can explore data during the balance of the class period or on their own.