



## Science Toolkit: Grade 6 Objective 2.C.2.a

Student Handout: Science: Grade 6 Objective 2.C.2.a

Standard 2.0 Earth/Space Science

Topic C. Plate Tectonics

Indicator 2. Recognize and explain how major geologic events are a result of the movement of Earth's crustal plates.

Objective a. Recognize and describe the evidence for plate movement.

Shape of continents

Continuity of geologic features and fossils on the continents

Ocean rifts, seafloor spreading

Global patterns of earthquakes and volcanoes

Selected Response (SR) Item

Question

Use the information below to answer the following.

The Hawaiian Islands are home to some of the most studied volcanoes on Earth. The volcanoes erupt often but are seldom explosive because of the magma that they produce. Kilauea volcano is located on the largest of the Hawaiian islands and rises over 4,200 feet above sea level. Kilauea has been erupting continuously since 1983 and has resulted in new landmass.

Which event is best explained by tectonic plate movement?

- A. a tornado
- B. a tsunami
- C. a hurricane
- D. a thunderstorm

Correct Answer

B. a tsunami

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