Science Toolkit: Grade 6 Objective 2.C.2.b

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

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.

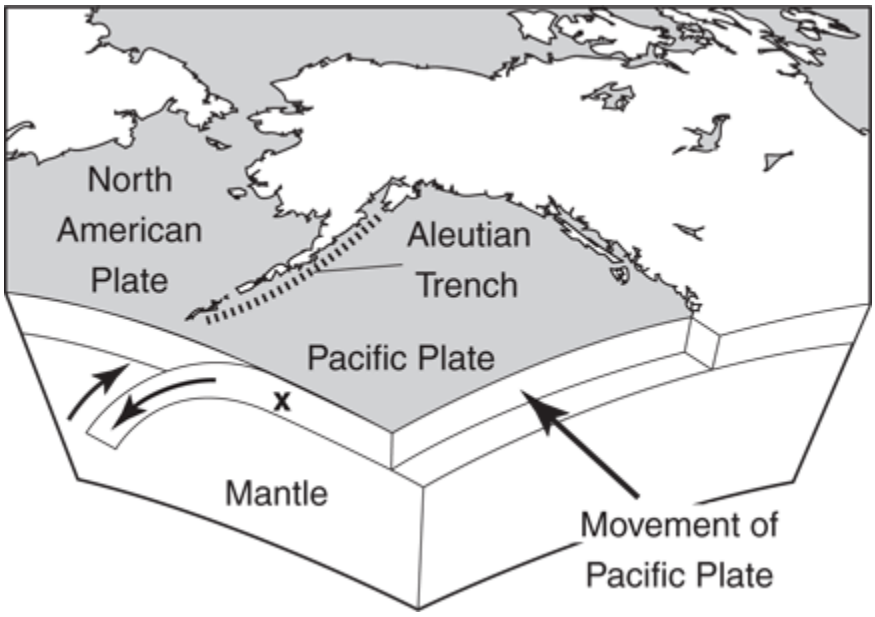
Objective b. Recognize and explain that major geologic events (earthquakes, volcanic activity, sea floor spreading) occur along crustal plate boundaries.

Selected Response (SR) Item

Question

Use the information below to answer the following.

The Aleutian Trench is an underwater feature, near Alaska, formed by the movement of two tectonic plates. As the North American Plate moves toward the Pacific Plate, the lower edge of the Pacific Plate becomes part of the mantle.



Which geologic event often occurs along crustal plate boundaries?

A. glacial erosion
B. delta formation
C. volcanic activity
D. sand dune formation

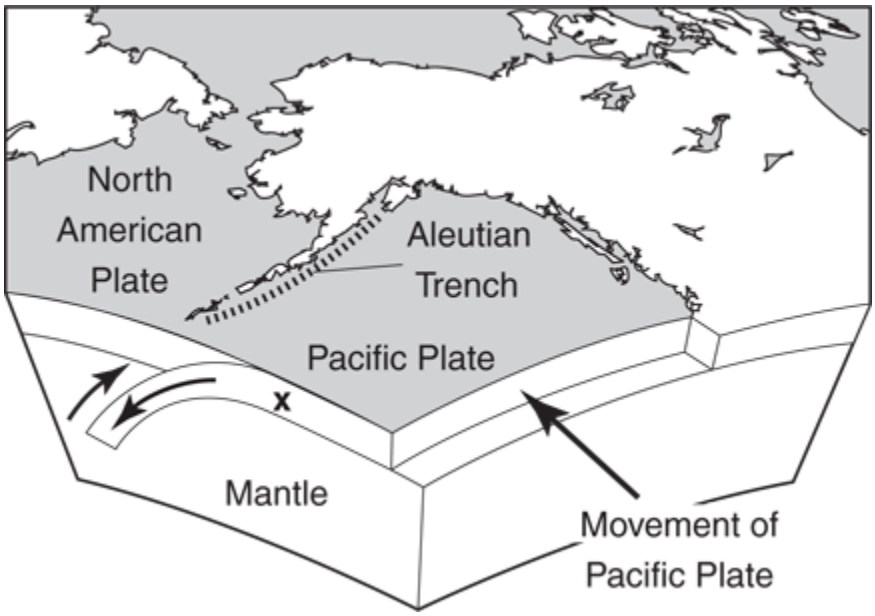
Correct Answer

C. volcanic activity

Question

Use the information below to answer the following.

The Aleutian Trench is an underwater feature, near Alaska, formed by the movement of two tectonic plates. As the North American Plate moves toward the Pacific Plate, the lower edge of the Pacific Plate becomes part of the mantle.



Which geologic event often occurs along crustal plate boundaries?

A. glacial erosion
B. delta formation
C. volcanic activity
D. sand dune formation