

Finn's Earth-Shaking Geography Flashcards

Learning objective: To understand the causes, measurement, and effects of earthquakes as part of the Grade 4 Geography curriculum.

Use these flashcards to test your knowledge of how Earth's surface moves. Finn the dolphin has been exploring the ocean floor to help you learn about these powerful natural events!

What are the large sections of the Earth's outer shell that move slowly over the mantle?	What is the point inside the Earth where an earthquake actually begins?
Tectonic plates	The focus
What is the term for the spot on the Earth's surface directly above where the earthquake starts?	What scientific instrument is used to detect and record the vibrations caused by an earthquake?
The epicentre	A seismograph
Which scale is commonly used to measure the magnitude or strength of an earthquake?	What do we call a crack in the Earth's crust where blocks of rock move past each other?
The Richter scale	A fault line
What is the outermost layer of the Earth called?	What can happen to the ocean floor during an underwater earthquake that may cause a giant wave?
The crust	A tsunami
What is the movement of the Earth's crust called when it suddenly releases energy?	Why do tectonic plates move?
An earthquake	Because they float on the semi-molten, moving rock of the Earth's mantle
True or false: Earthquakes can happen anywhere on Earth at any time.	What is the name for a scientist who studies earthquakes and the Earth's internal structure?
False; they most commonly occur near the boundaries of tectonic plates	A seismologist