

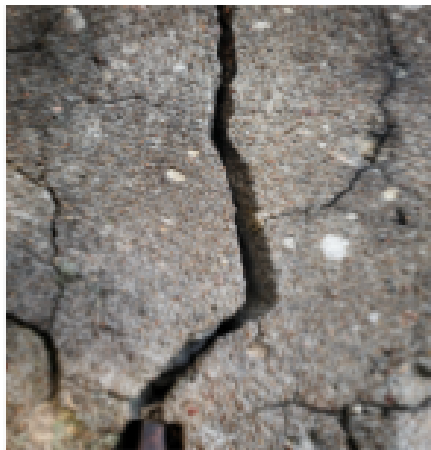
DISCOVERING

Earthquakes



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Double Dose of
Learning

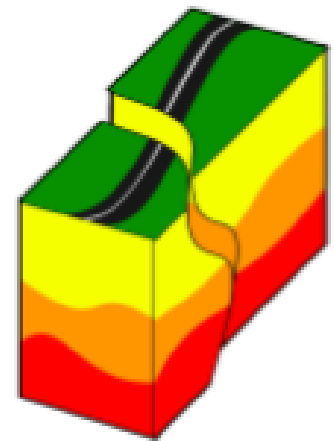
EARTHQUAKES



An earthquake is a rumbling and shaking of the earth's **crust**. The crust is another word for the earth's surface. The land that we live on is part of the earth's crust.

CAUSES:

The earth's crust, is made up of large pieces of land, called **tectonic plates**. Sometimes, these plates move and bump into each other. This movement causes the earth to shake, or even pieces of land to crack.



CHARACTERISTICS:

- Powerful
- Moving, shaking or rumbling land
- Destructive

What is another name for the earth's crust?

- Earth's inside
- Earth's middle
- Earth's surface

Draw a picture of something you can find on the earth's crust:

DESTRUCTION:

Earthquakes can be different. Sometimes, they cause a small rumble, and other times they are so powerful that they move the land. This causes buildings, homes, and trees to fall. Windows can shatter and fires can start. The movement also cracks the ground.



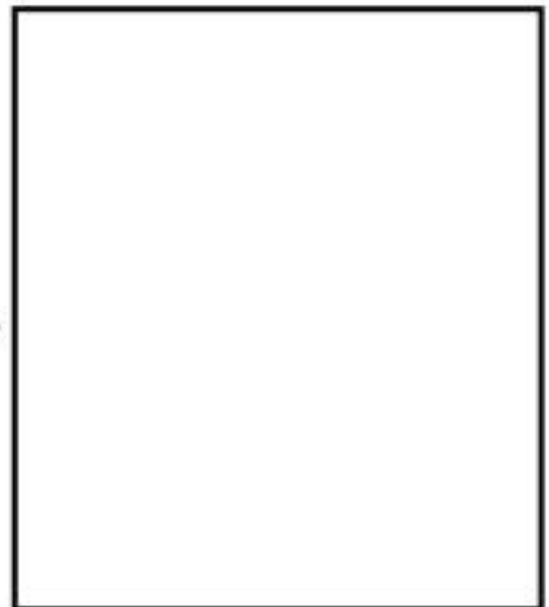
Earthquakes that are very powerful can also lead to other natural disasters. The shaking and movement of the land can lead to tsunamis, landslides, and flooding.

Cause

Earthquakes are sometimes powerful enough to move land.



Effect



INTERESTING FACTS:

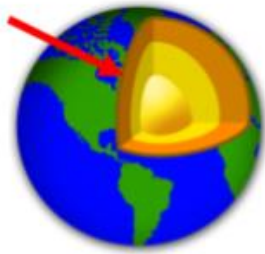
- More than a million earthquakes happen around the world each year.
- Earthquakes usually last less than a minute.
- The largest earthquake to happen in the United States took place in Alaska.
- Earthquakes cannot be predicted.
- The movement of energy through the earth during earthquakes create seismic waves. Scientists use the amount of energy in these waves to rate how powerful an earthquake is.



True or False

- ❖ Earthquakes can easily be predicted. _____
- ❖ Earthquakes can cause buildings to collapse. _____
- ❖ Seismic waves are energy that can move through the earth. _____
- ❖ Earthquakes last an average of 10 minutes. _____
- ❖ Earthquakes can lead to other natural disasters.

crust



earthquake



tectonic plates



landslide



Vocabulary Word *definitions*

earthquake: a shaking and rumbling of the Earth's surface.

crust: the surface of the earth

tectonic plate: large chunks of Earth's surface

landslide: the sliding down of rocks from a mountain or cliff

earthquake

A rumbling and shaking of the Earth's crust.



tectonic plates

Large pieces of the Earth's surface.



landslide

The sliding down of rocks from a mountain or cliff.



crust

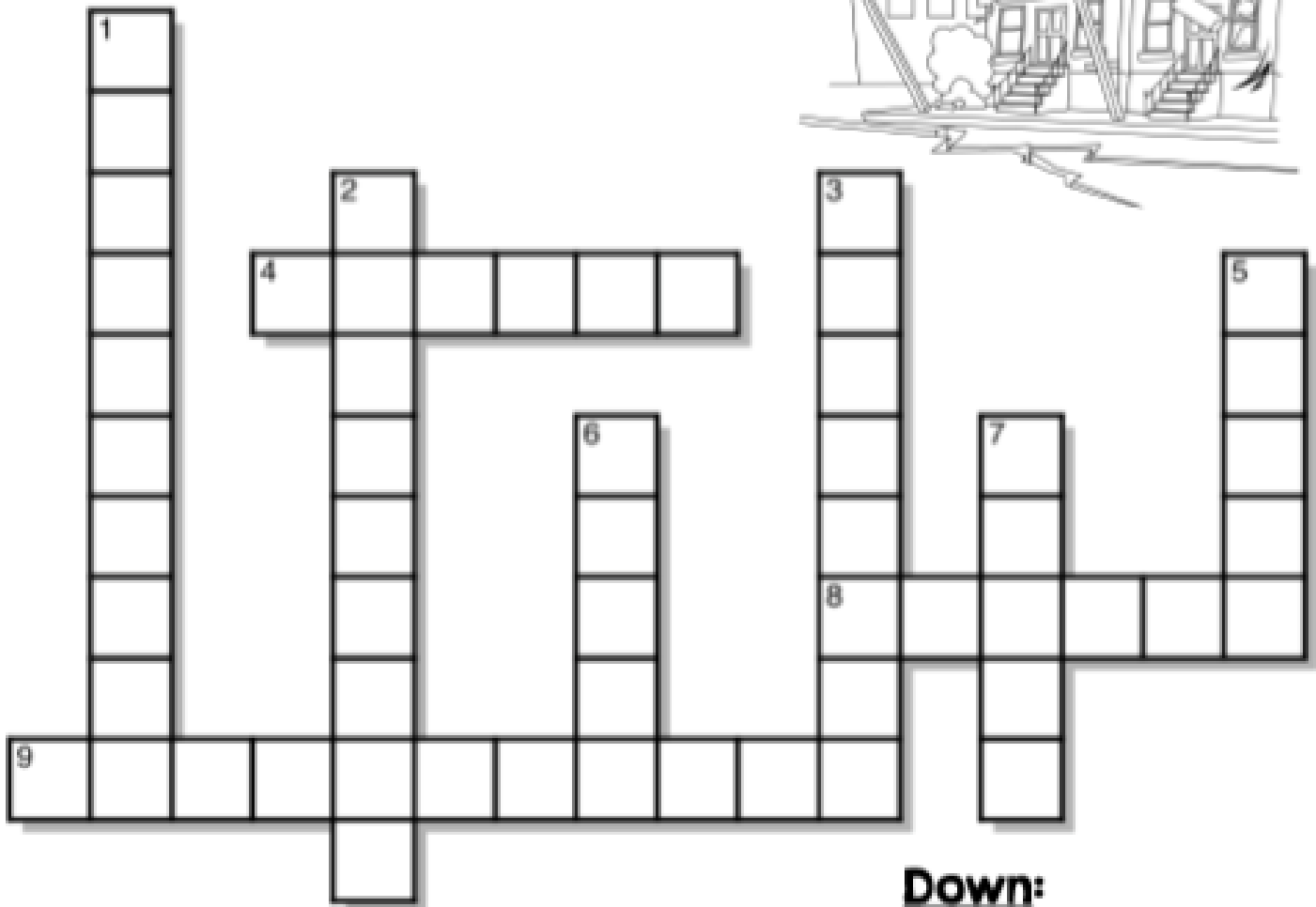
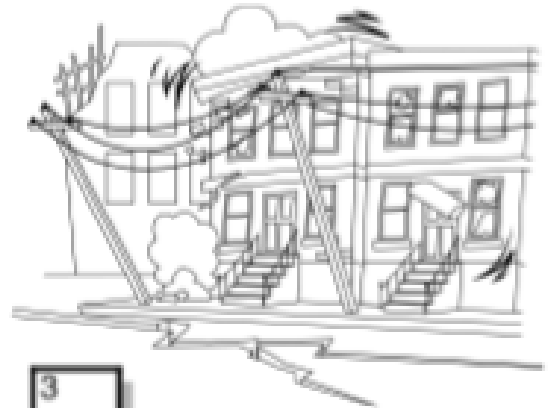
The surface of the Earth.



Name: _____

Crossword Puzzle

Earthquakes



Across:

- Earthquakes usually last less than 1 _____.
- Large pieces of land on Earth are called tectonic _____.
- Earthquakes can be very _____.

Down:

- An _____ is the rumbling and shaking of the Earth's crust.
- Powerful earthquakes can cause other natural _____.
- Earthquakes can cause buildings to _____.
- The movement of energy through the Earth create seismic _____.
- The surface of the Earth.
- Earthquakes can _____ the ground.