



What is a volcano?



What is the purpose of the Mount Redoubt story in the introduction?

Where is the nearest volcano to where you live?



What are the three main layers of Earth?

How do scientists think Earth formed, and how long ago do they believe this took place?



On which layer of Earth do you live?

Which layer makes up most of our planet?

Which layer of Earth is the hottest, and why is it the hottest?



Earth's Changing Face :::: Earth's Structure

How is Earth similar to and different from a hard-boiled egg?

Science a-z.com (analyzing)

Earth's Changing Face :::: Earth's Structure

What kind of fruit would you compare to Earth? Why?

Science a-z.com (creating)



Earth's Changing Face :::: Earth's Structure

If you could safely travel deep inside Earth, where would you go? Why?

Science a-z.com (evaluating)

Earth's Changing Face :::: Forces That Create Landforms

How long can it take for landforms to form?

Science a-z.com (understanding)



Earth's Changing Face :::: Forces That Create Landforms

Which kind of landform shown in the book is your favorite? Why?

Science a-z.com (evaluating)

Earth's Changing Face :::: Forces That Create Landforms

Which kind of Earth's plates is heavier and which is lighter?

Science a-z.com (remembering)



Earth's Changing Face :::: Forces That Create Landforms

If continental plates were like boats, which layer of Earth would be like the water?

Science a-z.com (creating)

Earth's Changing Face :::: Forces That Create Landforms

What does temperature have to do with how landforms form?

Science a-z.com (understanding)



Earth's Changing Face :::: Forces That Create Landforms

How would you explain the difference between the ways that mountains and ocean trenches form?

Science a-z.com (analyzing)

Earth's Changing Face :::: Forces That Create Landforms

How would Earth be different if its plates did not move?

Science a-z.com (creating)



Earth's Changing Face :: Forces That Create Landforms

Why might people consider small earthquakes to be good things?

Science a-z.com (understanding)

Earth's Changing Face :::: Forces That Create Landforms

How do you think the landforms near where you live formed?

Science a-z.com (applying)



Earth's Changing Face :::: Forces That Shape Landforms

How long can it take for landforms to change?

Science a-z.com (understanding)

Earth's Changing Face :::: Forces That Shape Landforms

How can large rocks turn into tiny grains of sand?

Science a-z.com (understanding)



Earth's Changing Face :::: Forces That Shape Landforms

Which kind of weather do you think would cause landforms to weather the fastest? Why?

Science a-z.com (analyzing)

Earth's Changing Face :::: Forces That Shape Landforms

What forces helped form the Grand Canyon?

Science a-z.com (remembering)



Earth's Changing Face :::: Forces That Shape Landforms

What impact do glaciers have on Earth's surface?

Science a-z.com (understanding)

Earth's Changing Face :::: Forces That Shape Landforms

Should people do anything differently to reduce erosion and other changes to landforms?

Science a-z.com (evaluating)



Earth's Changing Face :::: Forces That Shape Landforms

Why do many hiking trails have signs asking people to stay on the trail?

Science a-z.com (applying)

Earth's Changing Face :::: Forces That Shape Landforms

How do you think the landforms near where you live have changed over time?

Science a-z.com (applying)



Earth's Changing Face :::: The Rock Cycle

What are the three main types of rocks?

Science a-z.com (remembering)

Earth's Changing Face :::: The Rock Cycle

Which rock type forms when small particles are deposited by water or wind?

Science a-z.com (remembering)



Earth's Changing Face :::: The Rock Cycle

Which rock type changes from one type to another due to pressure?

Science a-z.com (remembering)

Earth's Changing Face :::: The Rock Cycle

Which rock type forms when hot, liquid rocks cool off at or near Earth's surface?

Science a-z.com (remembering)



Why might some rocks be easier to break apart than others?

Why are some igneous rocks smooth and others are lumpy?



How can fossils be used to learn about Earth's history?

Are the bottom or top layers of a sedimentary landform more likely to be oldest (deposited first)?



Is a landform made of igneous, sedimentary, or metamorphic rock likely to be affected most by weathering? Why?

What are some changes to Earth that you can see because they happen quickly?



What are some changes to Earth that you cannot see because they happen very slowly?

Do you think other planets are changing as much, or more than, Earth? How could we find out?