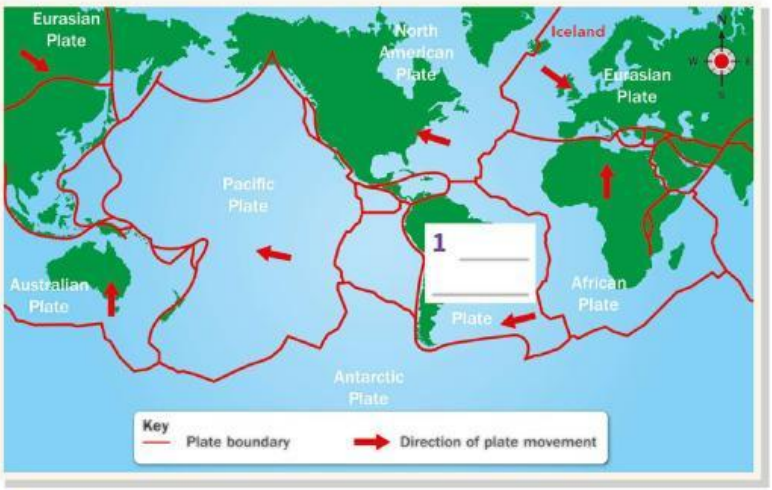
Think and learn

1 **Look. Complete the sentences.**



continental earthquakes erupt
~~oceanic~~ South American

2 The Pacific Plate is an oceanic plate.

3 The Eurasian Plate is mostly a _____ plate.

4 Lots of _____ happen in the 'Ring of Fire' around the Pacific Ocean.

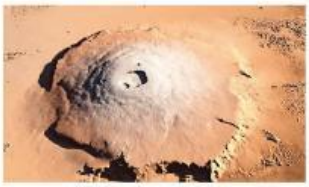
5 Where two plates meet, volcanoes can _____.



2 **Read, then write where the volcanoes are found.**

FUN AND FIERY FACTS!

- The word 'volcano' comes from 'Vulcan', the Roman god of fire.
- When a volcano erupts, hot gas, ash and liquid rock come out of it, as well as pieces of solid rock.
- Hot liquid rock inside the Earth is called magma. When it comes out, it is called lava.
- Most volcanoes happen near plate boundaries, but some happen at 'hot spots' where there is very hot rock close to the Earth's surface – like Mt Kilauea, in Hawaii.
- Volcanoes can erupt on land, under the sea or under ice. There are more than 100 volcanoes in Iceland! Many of them erupt through the ice, like Eyjafjallajökull, which last erupted in 2010.
- Volcanoes can cause a lot of damage. Rocks can injure people and damage buildings. Lava can destroy buildings and trees. Volcanoes can melt ice, and the water can mix with rock and ash to make mudslides. The ash can travel a long way into the sky – sometimes more than 30 km!
- There are some big volcanoes on Earth, but there's a bigger one on Mars. It's called Olympus Mons, and it's 600 km wide and 21 km high. And Io, one of Jupiter's moons, is covered in volcanoes that are erupting all the time!



Olympus Mons is on _____.



Mt Kilauea is in _____.



Eyjafjallajökull is in _____.

3 **Read and answer.**

Why do you think there are more than 100 volcanoes in Iceland? (Look at the map in Activity 1 for ideas!)

LIVEWORKSHEETS

4 **Read the article in Activity 2 again. Tick ☑ the true sentences.**

1 Most volcanoes happen at plate boundaries. ☐
2 Mt Kilauea erupts because it is a 'hot spot'. ☐
3 Volcanoes only happen on continental plates. ☐
4 Eyjafjallajökull hasn't erupted in this century. ☐
5 We don't know if volcanoes happen on other planets. ☐

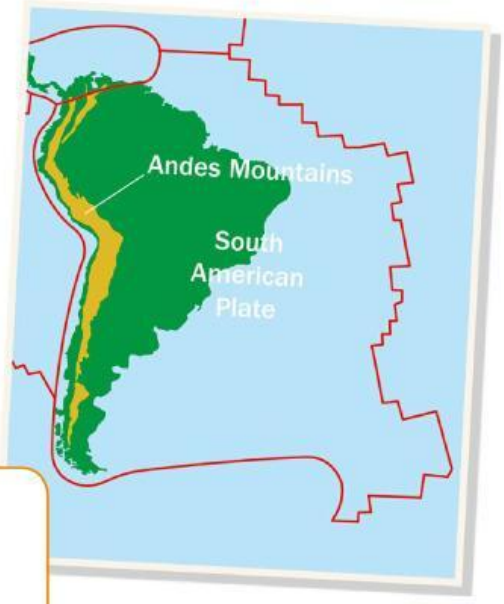
5 **Write the phrases in the correct place.**

under ice | injure people | solid rocks | ~~liquid rock (lava)~~ | destroy buildings | under the sea | hot gas | make mudslides | hot ash | on land

Things that come out of volcanoes	Where volcanoes can erupt	Damage volcanoes do
liquid rock (lava)		

6 Project **Complete the chart with information about the South American Plate. Then draw it on the map.**

CITIES	
VOLCANOES	
EARTHQUAKES	



7 **Read and answer.**

Look at the map in Activity 6. Why do you think the Andes Mountains are where they are?

Key
● city
▲ volcano
~~ earthquake

LIVEWORKSHEETS