

Movers & Shakers

Eagle STEM Scrimmage

School: _____ Team: _____ Team #: _____

Student Names: _____

Station 1

1. _____

2. _____

3. _____

Station 2

1. _____
2. _____
3. _____
4. _____
5. _____

Station 3

1. _____

2. _____

3. _____

Station 4

1. _____
2. _____
3. _____

Movers & Shakers

Eagle STEM Scrimmage

Station 5

1. _____
2. _____

(2pts)

Station 6

1. A B C
2. A B C
3. A B C
4. A B C

Station 7

1. _____

2. _____

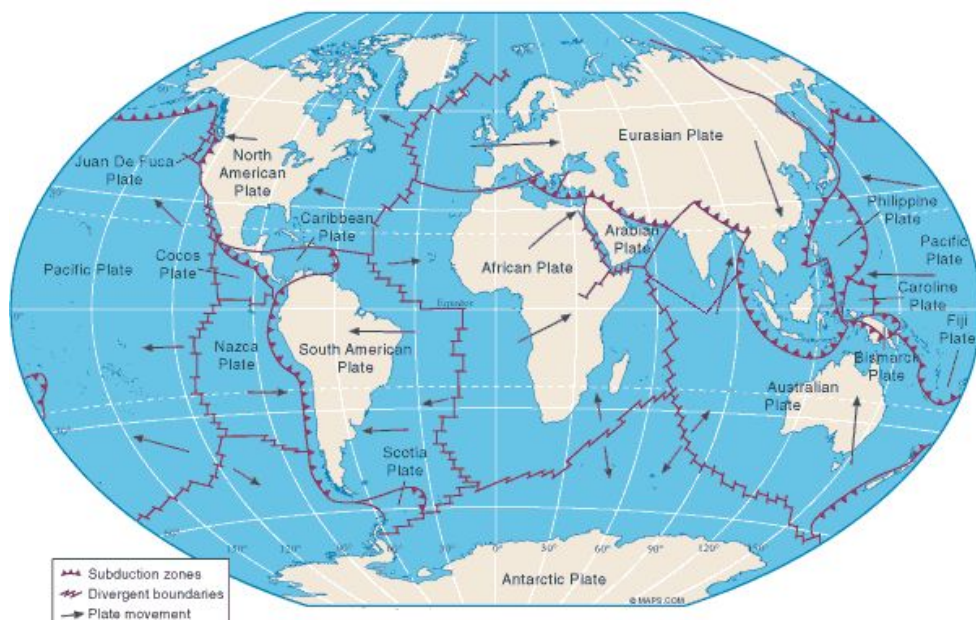
3. _____

4. _____

Movers & Shakers - Station 1

Answer the following questions as best you can

1. What causes an earthquake
2. Along what geographic feature do most earthquakes occur?
3. What scale is used to measure the magnitude of an earthquake?



Movers & Shakers - Station 2

Match the following terms to their description

- | | |
|---------------|--|
| 1. P waves | a. Seismic waves which travel only through solids |
| 2. S waves | b. The point underground where the earthquake starts |
| 3. Epicenter | c. A smaller earthquake that happens after the main earthquake |
| 4. Focus | d. The faster of the two main types of seismic waves |
| 5. Aftershock | e. The point on Earth's surface where the shaking is strongest, used to locate earthquakes on maps |

Movers & Shakers - Station 3

Answer the questions to the best of your ability

1. Why do volcanoes erupt?
2. Where does magma come from?
3. Name one material released during an eruption and its effect on humans.

Movers & Shakers - Station 4

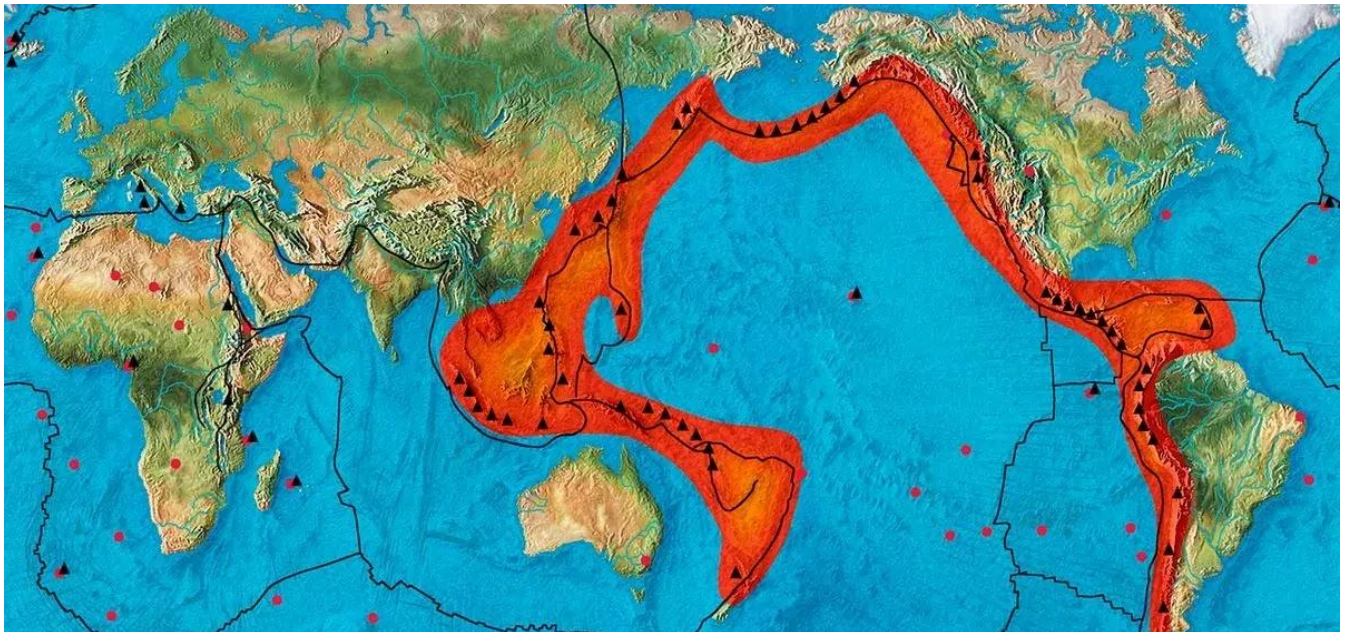
Use the following image to answer the questions



1. What type of volcano is this
2. Does this volcano erupt explosively?
3. Where is one place in the world you could find this type of volcano?

Movers & Shakers - Station 5

Use the image to answer the following questions



1. What is the name of this location?
2. Briefly explain this location (2pts).

Movers & Shakers - Station 6

Select if the description matches earthquakes, volcanoes, or both.

1. Commonly found near tectonic plate boundaries
 - a. Earthquakes
 - b. Volcanoes
 - c. Both
2. Associated with fault lines
 - a. Earthquakes
 - b. Volcanoes
 - c. Both
3. Caused by internal pressure within the earth's mantle
 - a. Earthquakes
 - b. Volcanoes
 - c. Both
4. Common in California
 - a. Earthquakes
 - b. Volcanoes
 - c. Both

Movers & Shakers - Station 7

Define the following terms

1. Hot Spots
2. Lava
3. Pumice
4. Pyroclastic Flow

Movers & Shakers - Scoring Guide

Station 1

1. Any good description is acceptable
2. Fault
3. Richter Scale

Station 2

1. D
2. A
3. E
4. B
5. C

Station 3

Any acceptable answer is scorable

Station 4

1. Shield
2. No
3. Hawaii/other

Station 5

1. Pacific ring of fire
2. Area with many volcanoes/earthquakes

Station 6

1. C
2. A
3. B
4. A

Station 7

1. Any acceptable definitions are scorable.