

WHY DO EARTHQUAKES HAPPEN? ROTATION STATIONS - 15 mins each

STATION 1:



- 2 students per cube/phone if necessary
- Open Explorer
- Choose Terraforming Earth
- There are 4 activities
- Answer the questions on paper.
- Jot down observations & any questions.

STATION 3:



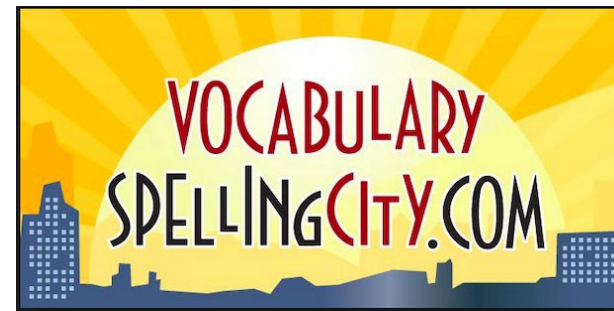
- Listen to the BrainPop Video on Plate Tectonics
- Take additional notes using the sheets provided
- Sketch out using arrows, the three basic movements during an Earthquake.

STATION 2:



- Choose at least 1 video to watch
- Watch either Haiti's Fault Lines 4:58
- Earthquake (Spanish Version)
- Earthquakes 7:24

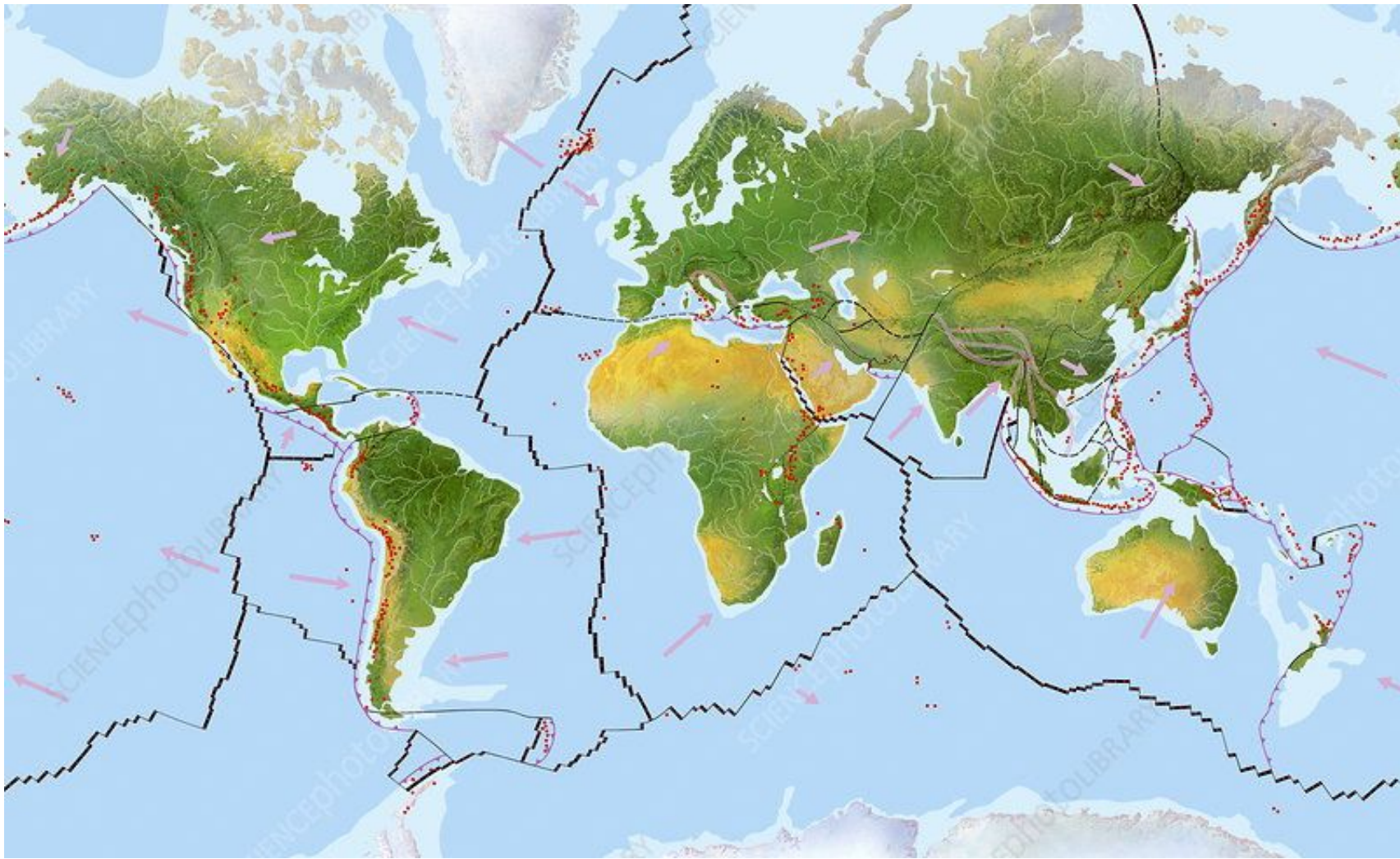
STATION 4:



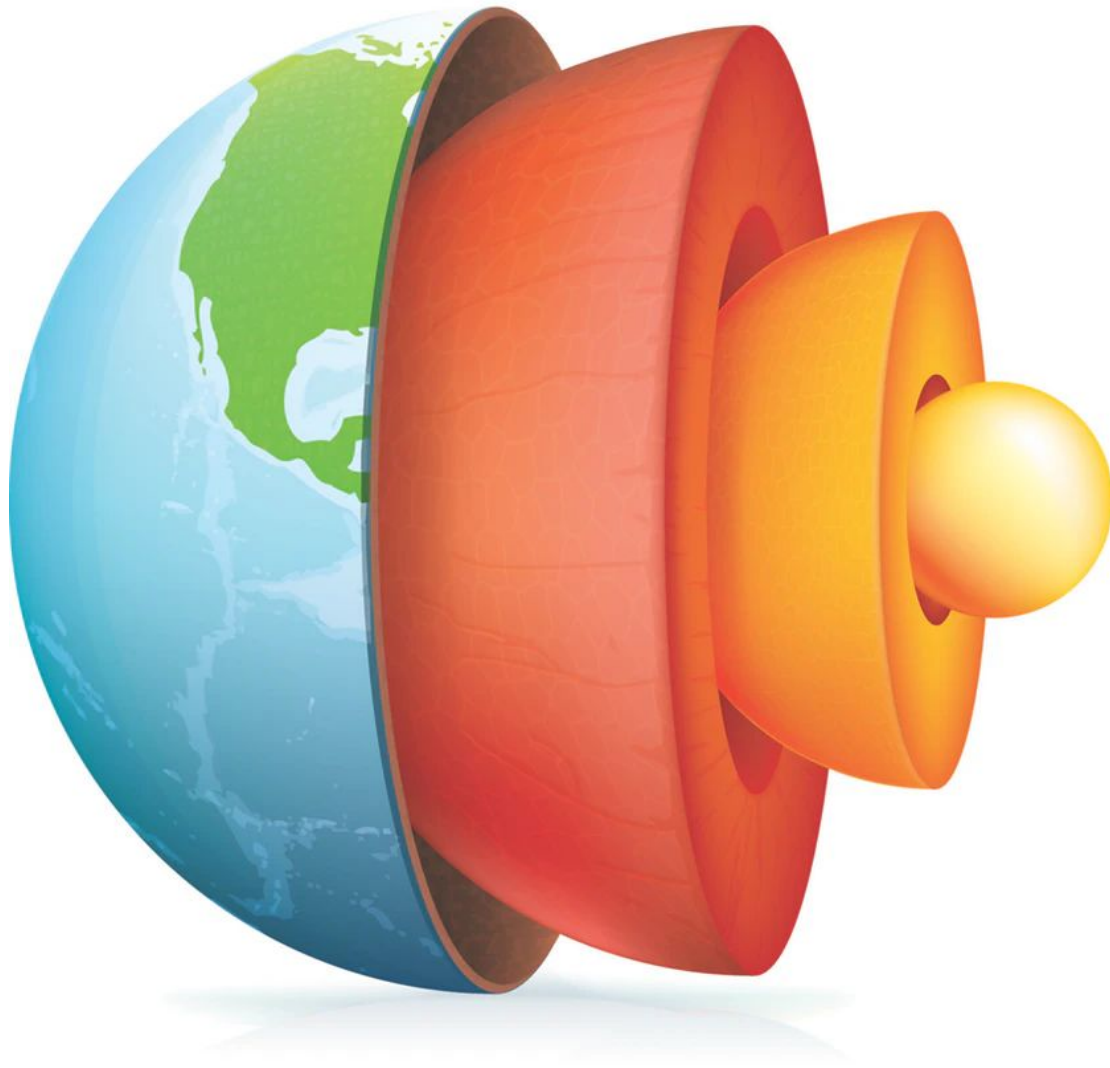
- Login via Clever.
- Review your vocabulary words by completing at least 2 activities

Finished Early? Take the Brainpop Quiz and/or create research questions that we can explore.

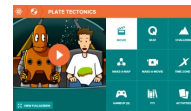
TECTONIC PLATES:



1.	5.	9.
2.	6.	10.
3.	7.	11.
4.	8.	12.



Label the parts of the Earth's core:



**What 3 movements can tectonic plates make?
Show each one using arrows.**



1. If pressure builds up under the earth's crusts for YEARS, what does this determine?
2. Where is the Ring of Fire? What is it?
3. How can you explain the formation of mountain ranges?
4. In what areas may cause more earthquakes?
5. What fault line is near Puerto Rico?
6. According to scientists, how much do tectonic plates move?
7. When describing how earthquakes are formed, Scientists say its the, s_____ or s_____ along the lines.
8. Name a popular fault line in California. Provide some details about it.

CLIMATE VS WEATHER

What determines climate? What determines the weather?

Does Earthquakes/Volcanoes affect the ocean at all? How so?

GROUPS: CONSIDER the REGION that you have been assigned. Has this region experienced abnormal weather? What is the typical weather of this region? 1. Southern part of US 2. Northern- Canada, Alaska 3. West of Rocky Mts. 4.

What earthquakes has the United States experienced recently? What information should we record?

What other natural disasters has the United States, specifically your region experienced in the last few years? What information should we record?

STATION 3:

The screenshot shows the 'PLATE TECTONICS' interface. At the top left, there are icons for a network and a globe. The main title 'PLATE TECTONICS' is centered at the top. Below the title is a video player showing BrainPop characters in a space-like setting, with a large red play button overlaid. In the bottom left corner of the video player, there is a 'VIEW FULLSCREEN' button. To the right of the video player is a 3x3 grid of interactive buttons:

 MOVIE	 QUIZ	 CHALLENGE
 MAKE-A-MAP	 MAKE-A-MOVIE	 TIME ZONE X
 GAMEUP (9)	 FYI	 ACTIVITIES

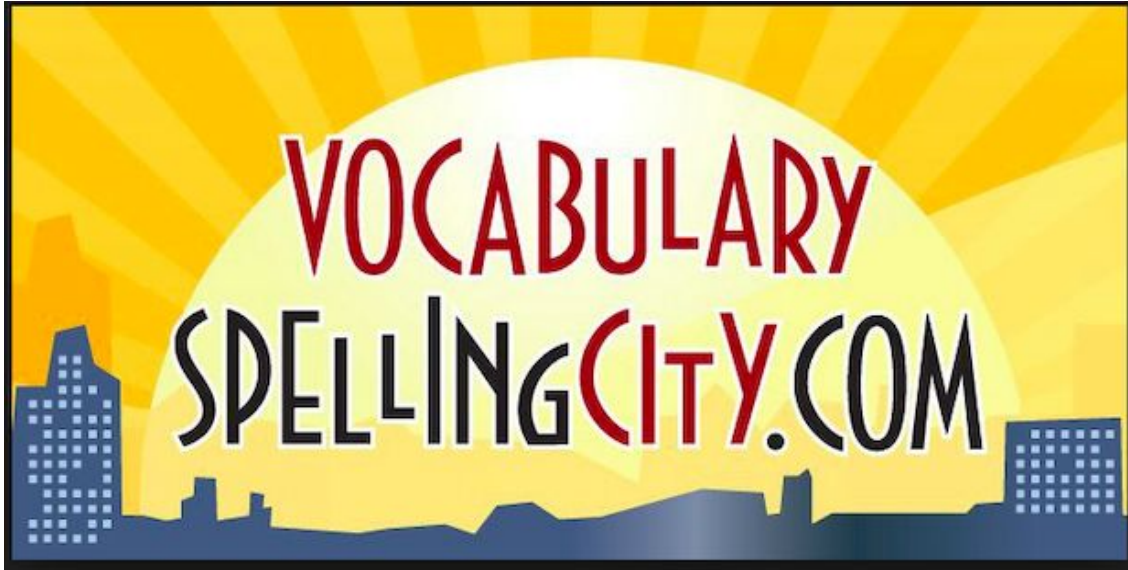
- Listen to the BrainPop Video on Plate Tectonics
- Take additional notes using the sheets provided
- Sketch out using arrows, the three basic movements during an Earthquake.

STATION 1:



- 2 students per cube/phone if necessary
- Open Explorer
- Choose Terraforming Earth
- There are 4 activities
- Answer the questions on paper.
- Jot down observations & any questions.

STATION 4:



- Login via Clever.
- Review your vocabulary words by completing at least 2 activities

STATION 2:

Discovery



EDUCATION

- Choose at least 1 video to watch
- Watch either Haiti's Fault Lines 4:58
- Earthquake (Spanish Version)
- Earthquakes 7:24