

Name: \_\_\_\_\_

### Which schools need earthquake drills?

Your group is in charge of choosing school safety plans for six international schools. Remember that schools use safety plans to keep students safe in the event of an emergency such as a fire or natural disaster.

As part of your job, your group will identify which schools should practice earthquake safety drills. During earthquake drills, students practice how to stay safe if they are inside a classroom or outside.

Below is a list of the six schools that you are in charge of. For each school, your group will decide whether the schools are more or less likely to have an earthquake. Once you make this decision, you will pick one school that is likely to have an earthquake and write a letter explaining why students should practice earthquake drills.

Sapporo International Middle School, Tokyo, Japan  
North Shore Middle School, Chicago Illinois, United States  
Colegio Bella Vista, Temuco, Chile  
Nadezhda Middle School, Moscow, Russia  
La Paz Technical Academy, San Miguel, El Salvador  
Global Academy, Johannesburg, South Africa

Where are the schools?

The locations of the schools are on the map.

Insert a world map that marks the location of each school's location.
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**Step 1:** Compare the map of the six schools to your map of the earthquakes (map 1) and your map of the plate boundaries (map 2).

Use this information to decide which of the six schools are **MORE likely** to have an earthquake.

Schools that are more likely to have an earthquake	Schools that are less likely to have an earthquake

**Step 2:** Work with your group to write a definition of the term **convection**. (*Hint: Look at your hot/coldwater experiment*)

**Step 3:** Work with your group to write about the different ways the plates that make up the Earth's crust move. (*Hint: Look at your poster.*)

Convergent (continental continental)	
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Convergent (continental oceanic)	
Divergent (continental continental and oceanic oceanic)	
Transform	

#### Step 4: Writing your letter

You will pick one school that is likely to have earthquakes and write a letter to students saying that they should practice earthquakes. In your letter, you will need to include:

1. Your reasons why students should practice earthquake drills.
2. Your description of what causes earthquakes. This should include the term *convection* and details about the different ways plates move.

Here are some phrases that might help your group as you write you letter.

- Our team has decided that \_\_\_\_\_.
- We decided which schools needed to practice earthquake drills by (explain your process):
- The (school name/location) should practice earthquake drills because \_\_\_\_\_.

