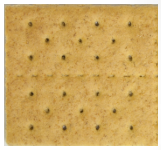
Plate Tectonics: Part 2

Dec. 2, 2014

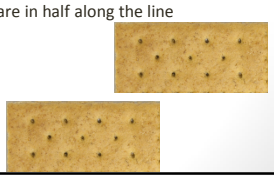
1

Plate Tectonics Graham Cracker Lab

- Every table pair gets a graham cracker square



- **Carefully** break your square in half along the line

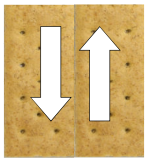


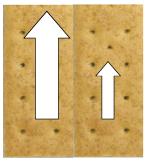
2

Plate Tectonics Graham Cracker Lab

Test 1

- Line up your crackers next to each other and slide in opposite directions
- Line up your crackers next to each other and slide in the same direction at different speeds





- Record your written observations and sketch in your data table

3

Plate Tectonics Graham Cracker Lab

Test 2

- Take one of your graham crackers and drop a small amount of water, using the straw across the middle
- Gently pull at both sides of the graham cracker

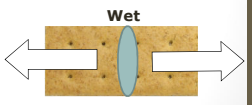


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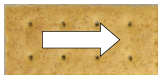
Plate Tectonics Graham Cracker Lab

Test 3

- Take one of the small broken crackers and line it up with your larger cracker
- Push the two crackers into each other with the wet side of the small cracker facing the larger cracker.



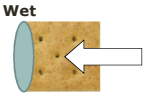


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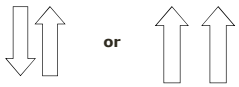
Plate Boundaries Game

- Rules: Same as rock-paper-scissors

Convergent beats Divergent
Divergent beats Transform
Transform beats Convergent

Transform Boundary :



Divergent Boundary :

Convergent Boundary:

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Helpful Textbook Pages: 455-459; 497-499

Today's Main Idea

- The Earth's plates interact in three ways: divergent, convergent and transform boundaries.

Explore Question

2. Explore today's main idea with this question:

Where do transform boundaries most commonly occur?

Vocabulary

- Fault (Geology Definition)
- Focus (of an earthquake)
- Epicenter (of an earthquake)

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