INVESTIGATION QUESTION
How do different types of plate boundaries produce different geological features?

HYPOTHESIS
Hint: try writing it as "If _____, then _____, because _____."

Boundary Observation Table

Boundary Type	What You Did	What Happened	Real World Example
Divergent			
Convergent (continental)			
Convergent (oceanic)			
Transform			

ANALYSIS

Why did the wet cracker sink under the dry one during the oceanic convergent demo? What property of oceanic crust does this model?

CONCLUSION

In your own words, explain why the edges of tectonic plates are where most of Earth's volcanoes and earthquakes occur.

CONNECT IT

Look up the Ring of Fire. What type of plate boundaries dominate it? Why does it account for roughly 90% of the world's earthquakes?

THINK FURTHER

Pangea broke apart about 175 million years ago. If plates move at roughly 2-5 cm per year, what might Earth's continents look like in another 200 million years?

ADDITIONAL NOTES