



Make a Mountain!

Procedure

- 1. Collaborate** Work with a partner. Place a shoebox lid face down on a flat surface. Then carefully cut a narrow slit along one end of the lid where it bends up.
- 2. Measure** Line the top of the lid with wax paper. It should be the width of the slit and about 2.5 cm (1 in) longer than the lid.
- 3. Use Models** Place the wax paper in the lid. Pull one end of the paper about 2.5 cm (1 in) through the slit. Spread half of the sand at the end of the lid near the slit.
- 4. Use Models** Spread the other half near the center of the lid. Each pile of sand represents the crust on one of Earth's plates. Draw the model setup in the space below.

- 5. Use Models** Slowly pull the wax paper through the slit to model the movement of one of Earth's plates.

Name _____ Date _____

Conclusion

Write the answers to the questions.

1. **Observe** Draw what happened to the sand as accurately as you can.



2. **Compare** How does what happen to the sand compare to what happens to rocks in the crust when two plates collide?

Design an Experiment Select materials to model what happens along a diverging boundary.

Guided Inquiry