



Name: _____ #: _____

Date: _____

Section: _____ HR: _____

Skills Lab: Modeling Sea-Floor Spreading

Analyze & Conclude

1. What feature of the ocean floor does the center slit stand for?

What prominent feature of the ocean floor is missing from the model at this point?

2. What do the side slits stand for?

What does the space under the paper stand for?

3. How does the ocean floor as shown by the part of a strip close to the center slit differ from the ocean floor as shown by the part near a side slit?

How does this difference affect the depth of the ocean?

4. What do the stripes on the strips stand for?

Why is it important that your model have an identical pattern of stripes on both sides of the center slit?

5. Explain how differences in density and temperature provide some of the force needed to cause sea-floor spreading and subduction.

6. **Think About It** Use your own words to describe the process of ocean-floor spreading.

What parts of the process were not shown by your model?
