

Earth Layers and Moving Plates



Use the matching sheet ID when checking answers.

Use the material to work through each task. Show the requested response.

1. List crust, mantle and core from outside inward.

Answer: crust, mantle, core

2. Which rigid outer layer is divided into plates?

Answer: lithosphere

3. Sort boundary motions.

Divergent: Move apart

Convergent: Move together

Transform: Slide past

These names describe relative plate motion.

4. Which boundary type has plates moving apart?

Answer: divergent

5. Why might earthquakes cluster near plate boundaries?

Look for:

- Connects interaction with a pattern.

One possible response: Plates interact and stresses can be released near boundaries.

6. A diagram shows plate motion with large arrows. Must plates move that far each day?

Look for:

- Recognizes a model's scale limitation.

One possible response: No. The arrows show direction, not a daily distance at true scale.

Open responses use criteria and an illustrative response. Other well-supported responses can be acceptable.