**Lab Activity – Simulation of Earth’s Mantle**

1. The water in a 2-L bottle represents most of Earth’s mantle. The warm water in the small cup represents part of the mantle material that was heated by Earth’s very hot core. Use what you observed in the simulation to sketch a diagram showing how you think Earth’s mantle moves.

**EXPLANATION OF WHY THIS MOVEMENT HAPPENS**

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2. What strengths does this model have for studying the movement of materials in Earth? What are its weaknesses?

**STRENGTHS** **WEAKNESSES**

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