

Name: _____

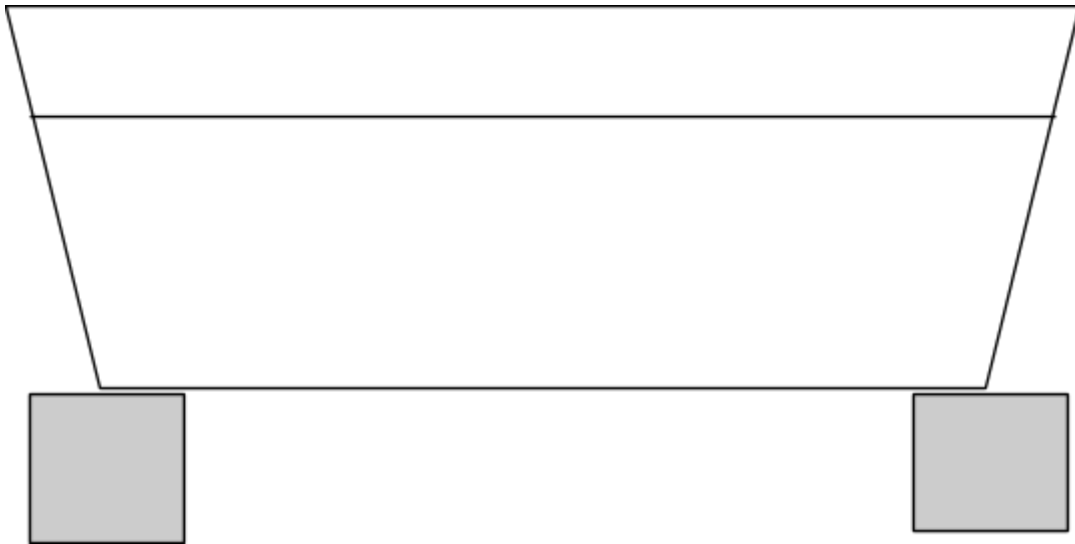
Date: _____

How are the plates moving?

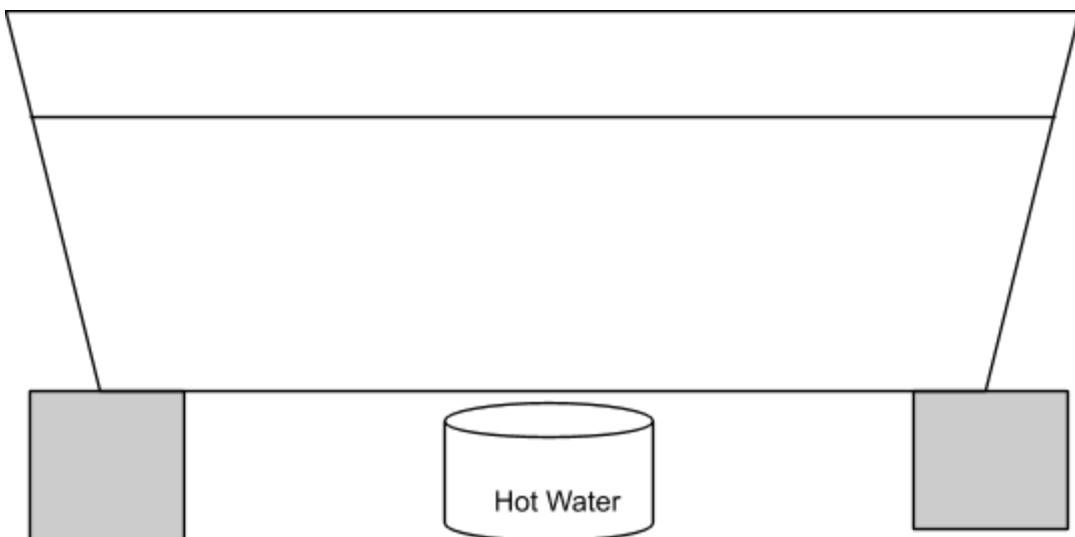
Part 1: What does it represent in the real world?

Part of the setup	Is like	Part of the phenomenon	How are they the same?	How are they different?
A. Liquid in a tub	→			
B. Hot cup of water (heat source)	→			
C. Movement of liquid	→			
D. Movement of the surface	→			
E. Direction of the movement at the surface	→			

Part 2: Observations of the system before a heat source is added.



Part 3: Observations of the system after a heat source is added.



Part 4: Tracing energy and matter in the system.

1. Overall, how would you describe the motion in this system?

2. How is energy flowing in this system?

3. What is happening to the matter in this system?

4. How do you think this is related to the movement of plates at the surface?
