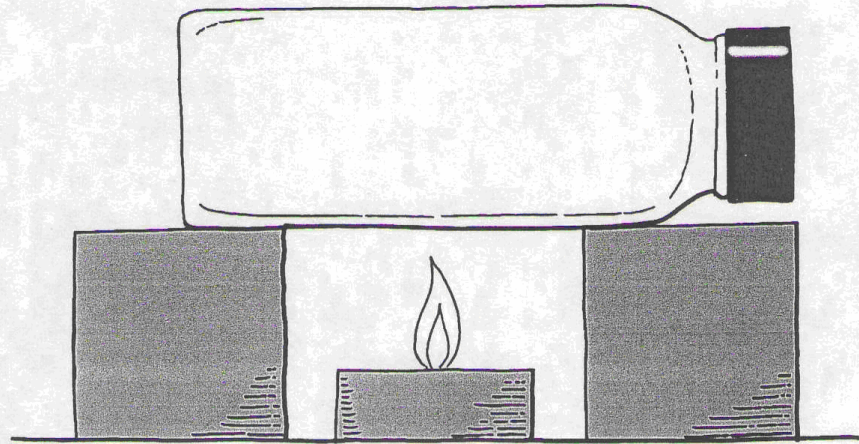


Name: _____

Date: _____

Period: _____

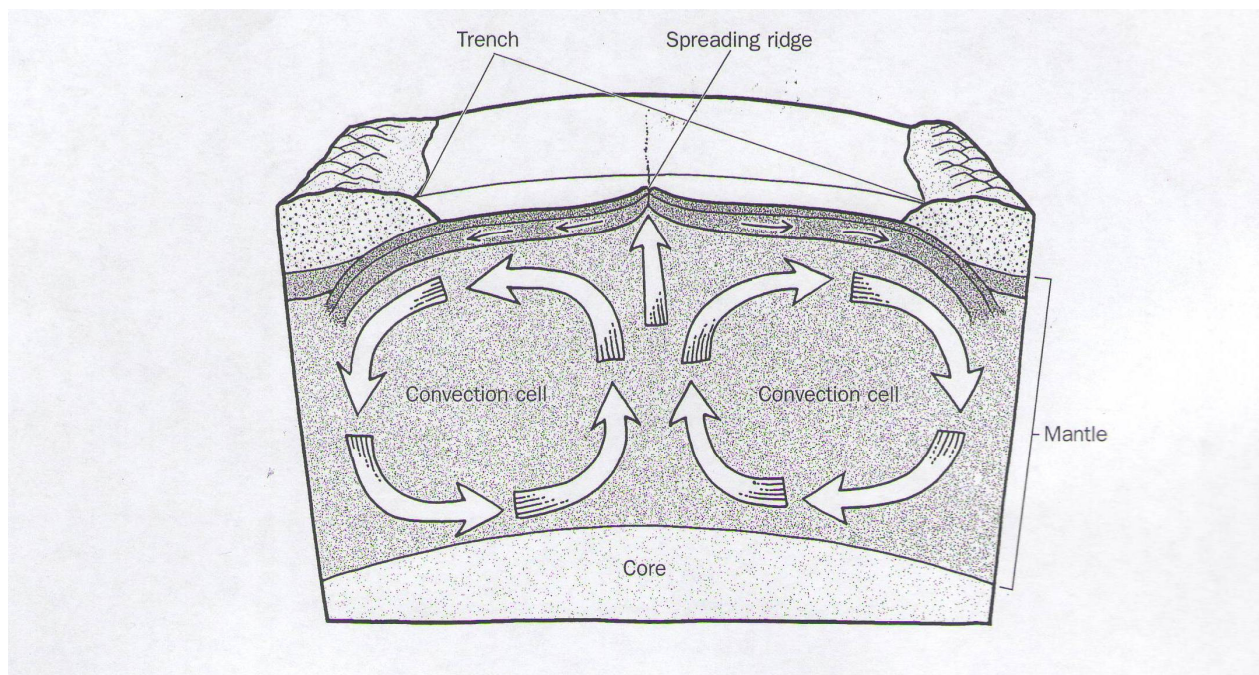
Directions for Part A Draw arrows on the diagram to show the movement of fluid within your jar.



What observations of the fluid did you make?

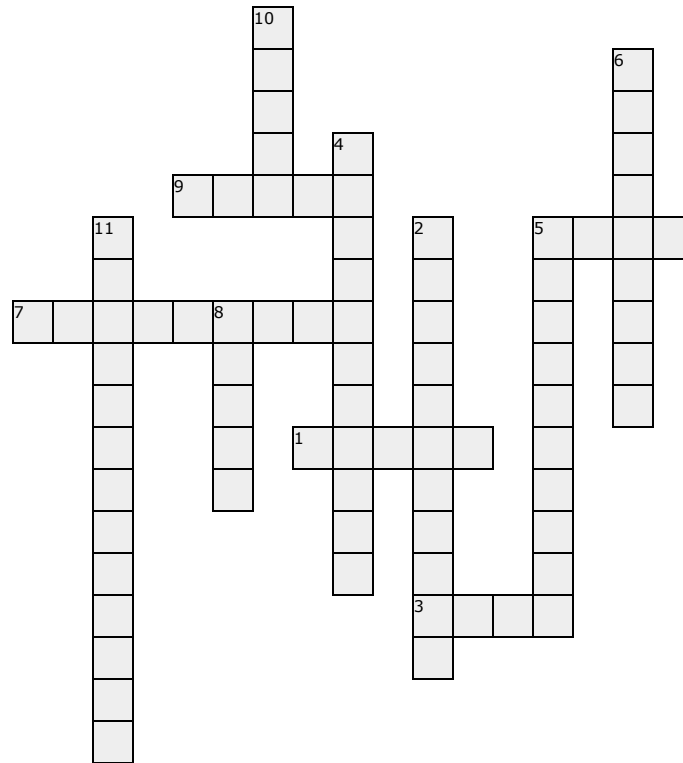
The jar above represents a model of how convection moves in the mantle. What part would represent the core? On the drawing **above**, label the parts that represent the:

1. Core
2. Mantle
3. Spreading ridge
4. Trench
5. Convection cell



Tectonic crossword

Please complete the crossword puzzle below



- | | | | | | | | | | | | |
|------|-------|-------|---------------|-----------|-----------|------------|-------------|-------|------|-------|-------------|
| rift | fault | plate | platetectonic | transform | divergent | convergent | lithosphere | magma | core | crust | seismograph |
|------|-------|-------|---------------|-----------|-----------|------------|-------------|-------|------|-------|-------------|

Across:

- 7. 2 plates slide past each other, causes earthquakes
- 8. break in the Earth's crust
- 9. large chunks of the earths crust

Down:

- 1. coolest part of the earth
- 2. part of crust and upper mantle
- 3. deep valley
- 4. detects vibrations in the earths crust
- 5. 2 plates moving toward each other, can cause volcanoes
- 6. 2 plates move in opposite direction
- 10. molten rock
- 11. geological theory