

Name _____ Date _____

Tectonic Tortilla Plates

Purpose: to model the Earth, its layers, and it's movement.

Material:

- 2 tortillas
- Aluminum Foil
- 2-3 slices of cheese

Diagram:

Procedure:

- 1- Set up according to diagram
- 2- Heat until cheese is completely melted.
- 3- Answer questions
- 4- Eat tortilla when done.

1. What layer of the Earth does the tortilla represents? _____
2. What layer does the cheese represent? _____
3. What state of matter is the cheese in, a solid, liquid or gas? _____ or something else?
4. What happens to the tortilla if you try to force is across the other one? Take you hand and try to slide/move it over the top of the other one. What happens, and what would this represent on Earth?
5. From what you described in number 4, relate this to what might be happening on Earth. Where would this be occurring?