Name: _____

FUN
QUICKSAND EXPERIMENT!

Quicksand is made up of sand (a granular material), clay and water. The sand is so saturated with water that the friction between sand particles if reduced. Which means that it can no longer support weight, like, for example, a person walking over it, which is why you get "sucked" into it. But if you don't move, meaning don't apply pressure to the substance, the quicksand will behave like a liquid and you will float up to the top. The best way to understand quicksand is to make some yourself!

MATERIALS:

- 1 cup water
- 2 cups cornstarch (cornstarch mimics the granular consistency of sand)
- bowl
- spoon
- a place that can get messy

PROCEDURE:

1. Slowly add the cornstarch to the water in the bowl and stir.
2. Notice how the slower the motion the more fluid the substance.
3. Quickly stir the cornstarch and water mixture.
4. Notice how the faster motion creates a more solid substance. It might feel like you're "breaking" the cornstarch and water mixture.

Play with your quicksand!
Yep, it's as easy as that. Maybe not as death defying as in the movies, but definitely pretty interesting!

