

Oobleck



Materials

- 1 sheet of newspaper
- 1 gallon-sized Ziploc bag
- 1/4 cup water
- 1 plastic spoon
- 1/3 cup cornstarch
- 1 magnifying glass (optional)

Procedure

- Spread the newspaper out so that you don't make a mess!
- Take the 1/3 cup of cornstarch and put it into the Ziploc bag
- Now add the 1/4 cup of water and add it to the Ziploc bag
- Take the spoon and mix the cornstarch-water mixture until it becomes gooey.
- Close the Ziploc bag.
- Take your fist and punch the Ziploc bag with the solution.
Don't hurt yourself! Use a magnifying glass...what do you see?
Is this a solid or a liquid?

- Take your finger and jab it (without hurting yourself!) into the solution. What do you see (use a magnifying glass)? Is this a solid or a liquid?
- Take your finger and dip it slowly into the Ziploc bag solution. What do you see (use a magnifying glass)? Is this a solid or a liquid?

The Scientific Explanation

The substance that it formed is sometimes called a 'so-liquid' because it displays properties of both solids and liquids. Oobleck is actually a special type of liquid in which all parts of the substance are not flowing at an equal rate. Because the viscosity of the liquid is different, it sometimes has qualities of being a solid and liquid.
