

STATES OF MATTER



SUPERNOVA
DALHOUSIE UNIVERSITY | HALIFAX, NOVA SCOTIA

MAKE YOUR OWN "OOBLECK!"

6-7

MATERIALS

- 2 cups of cornstarch
- 1 cup of water
- Food colouring
- 1 large bowl
- Paper towel

30 MINS

PROCEDURE

Step 1

Do this experient outside if possible - it can get messy! Pour 1 cup of water into a large bowl, and dye it with food colouring.

Step 2

Slowly add a small amount of cornstarch at a time into the bowl, and mix with the water. As you add more and more cornstarch it will become harder and harder to mix.

Step 3

Try to push down hard on the mixture (called oobleck). It should feel very hard like a solid. If you slowly place your hands in the mixture it should feel more like a liquid!

OOBLECK IS AN EXAMPLE OF A "NON-NEWTONIAN" FLUID

PURPOSE & SCIENCE OUTCOMES

- Non-newtonian fluids do not behave like normal liquids. When you add pressure, like squeezing or pushing down on them, the substance will behave more like solid.
- When that pressure is released or removed, or if you very slowly moved through the substance it would feel more like a liquid

ANY QUESTIONS? REACH OUT @SUPERNOVAATDAL