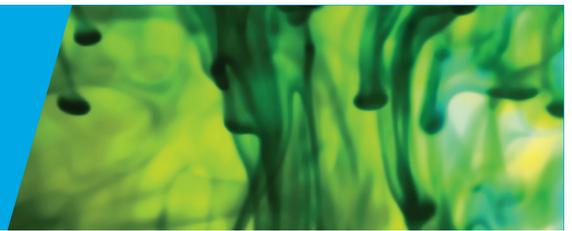


CURIOSITY AT HOME

Oobleck



Follow a recipe for making a strange liquid known as Oobleck. Then become a material scientist and test your new creation. What can Oobleck be used for?

MATERIALS

- 1 spoon
- 1 small bowl or Ziplock bag
- Water (½ cup)
- Food coloring (a few drops, optional)
- Corn starch (will need ~1 cup)
- Science notebook or paper
- Pencil or something to write with

PROCEDURE

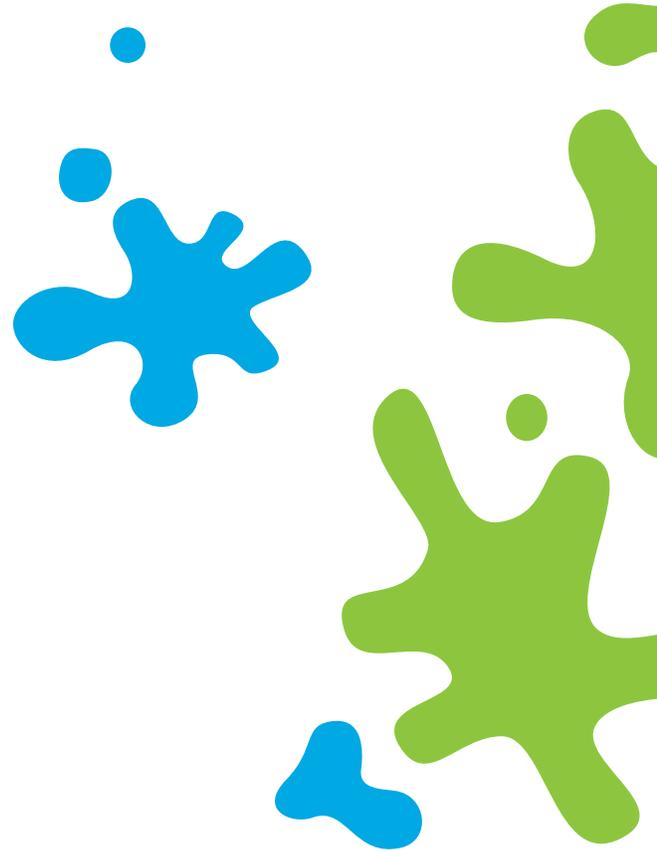
- If adding food coloring, mix it with the water in a large bowl.
- Begin adding small amounts of the corn starch while continuing to mix.
- Keep adding cornstarch a little at a time and stir until your mixture starts to feel thick.
- **Tip:** If making in a plastic bag instead of a bowl, remove the air before sealing and squeezing to mix the ingredients.

EXPLORE MORE

Play with the Oobleck and make some observations. Record your observations in your science notebook.

Special note: If you used food coloring in your Oobleck, make sure to play with it over a protected surface it to avoid staining any areas like tables or walls.

- How would you describe the texture of the Oobleck (sticky, slimy, crunchy...)?
- Squeeze it into a ball shape; how long does it hold its shape?
- Leave a little Oobleck out overnight. What happens?
- What else can you do with your Oobleck?



WHAT'S HAPPENING?

Viscosity is a property that describes how fast or slow a liquid will flow. Most liquids have a constant viscosity that doesn't change without other changes to things like temperature. Oobleck is an example of a non-Newtonian fluid, which is a type of liquid that changes its viscosity when force is applied. This is why Oobleck sometimes feels like a solid, and sometimes feels like a liquid, depending on how you touch it!



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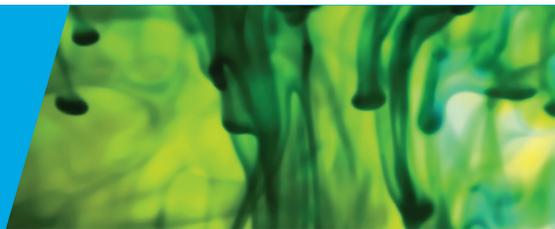
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CURIOSITY AT HOME

OUBLECK



K-2 GRADE EXPLORATION

- What happens if you change the temperature of your Oobleck? Try placing some of your Oobleck inside a freezer or some ice overnight. Record your observations the next day, in your science notebook.
- What other properties of matter can you use to describe your Oobleck?



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