

STATES OF MATTER

Matter is anything that has weight and takes up space. *States of matter* is a term that refers to the physical form of everything around us, such as liquid, solid or gas.

Scientist and mathematician, Sir Isaac Newton, discovered the laws of motion. Newton is considered one of the most influential scientists of all times.

Cornstarch goop, quicksand, ketchup and slime are all “non-Newtonian” fluids. They do not follow Newton’s laws of how true fluids act. These fluids act like solids or liquids depending on the pressure you apply or how you move it around.

Cornstarch goop is sometimes called Oobleck. Oobleck gets its name from the Dr. Seuss book *Bartholomew and the Oobleck*. Check it out.

This activity is not recommended for children under three years of age. Parents, please supervise all experiments with young children.

Cornstarch goop dries to a powder and can be vacuumed from carpet or brushed from clothing.



Crazy Cornstarch Goop

Place 1/2 cup of cornstarch into a bowl. Add about a 1/4 cup of water and stir. Keep adding water and stirring until the mixture looks like thick pancake batter. Adding food coloring is optional.

How to Play

- Poke the goop hard with your finger. What does it feel like?
- What does it feel like when you slowly stick your finger into the goop?
- Scoop some goop into your hand. What happens? Can you hold it?
- Pour goop onto a hard (washable) surface. What happens? Can you push it with your finger?

NOTE: Do not put cornstarch goop down the sink. Dispose of it in the trash.



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SIMPLE SLIME

How to Play

- See what happens when you set slime on a table.
- Flatten and drape slime over a cup or toy.
- Hold a ball of slime high over a table and watch it slide from your hand to the table.
- Fold it to trap air bubbles, then flatten it to make a popping sound.

Pour 1 bottle of white school glue. Add blue laundry detergent. Stir and add detergent as needed until a ball forms. Knead to desired firmness and play.

There are a lot of ways to make slime. If you decide to experiment with other recipes, be sure to check ingredient packaging for warnings to keep out of the reach of children.

ALL cleaning products should be stored away from children when not in use.

This activity is not recommended for children under three years of age. Parents, please supervise all experiments with young children.

If slime gets on clothing or carpet, rinse with very hot water.



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