

Butter Slime

Best for Ages

6+

Workspace

Flat indoor or outside surface

Is electricity required?

No

Description

Is butter slime actually made from butter? No! But it does look like butter! Let's make some butter slime without any real butter.

Materials

- White glue
- Baking soda
- Water
- Lotion
- Baby oil OR olive oil
- Contact solution OR liquid starch
- Model Magic Clay
- Bowl
- Measuring cup
- Teaspoon
- Tablespoon
- Bowl
- Spoon
- Plastic tray
- Plastic tablecloth (slime can get messy!)
- Plastic bag

Concepts Explored

- Science of Slime

What to Do

1. Cover your work surface with the plastic tablecloth. Lay out all your supplies.
2. Grab your plastic bowl. Pour 1 cup of white glue into the bowl.
3. Add 1 teaspoon of baking soda. Stir the mixture with your spoon.
4. Add 3 tablespoons of water. Stir!
5. Add 2 tablespoons of lotion and 1 teaspoon of baby oil. Stir!
6. Add 2 strong squirts of contact solution. Stir!
7. Remove the mixture from the bowl onto a tray. It will be very sticky still.
8. Add a small amount clay to the mixture (about the size of a golf ball). Keep kneading your slime until it is completely mixed and the same color as the clay. Kneading will take 3-4 minutes.
9. Time to play!
10. Butter slime will last up to a week if stored in an airtight container or bag.



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Troubleshooting Tips

- **Oh no! My slime is too runny!**

If your slime is too runny, add a small amount of clay and keep kneading until you get the texture you desire.

- **I don't have Model Magic clay. Is there an alternative?**

Yes! You can substitute the clay and add some cornstarch in for a similar consistency. Add 2-4 tablespoons of cornstarch.



What happens if you press the slime on a table? Or place it on a slope?

How far can you stretch the slime without it breaking?

Can you shape it to look like a stick of butter?

What is Happening?

- **Science of Slime:** when you add the contact solution to the glue, it counteracts the glue and forms a **viscous** substance. This turns into slime and can be shaped and stretched. The slime forms when the glue molecules cross-link with the borate ions in the contact solution. This is a bond that causes the large molecules to no longer slide freely past one another (like the substance was when it was a glue). Therefore, it results in slime!

Taking it Forward

- If you like this activity, you'll also like these [Amazeum You](#) activities:

Fluffy Slime
Oobleck

- Learn more about this activity at your local library:

The Slime Book: All You Need to Know to Make the Perfect Slime by DK

Slime Recipe Book: Slime Book - How to Make Amazing Slime at Home, Best Slime Recipes, Useful Tips and Tricks, Most Common Mistakes by Alex Hey

How To Make Edible Slime: 30 Fun and Yummy Slime Recipes by Tessa Meldrum