

Thermochromic Slime

By Thermochromic Team

Question and Prediction

Question: Will thermogenic slime change color if my hands are warm?

Prediction: If I warm up my hands really good, the slime will change color.

SCIENCE

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Introduction

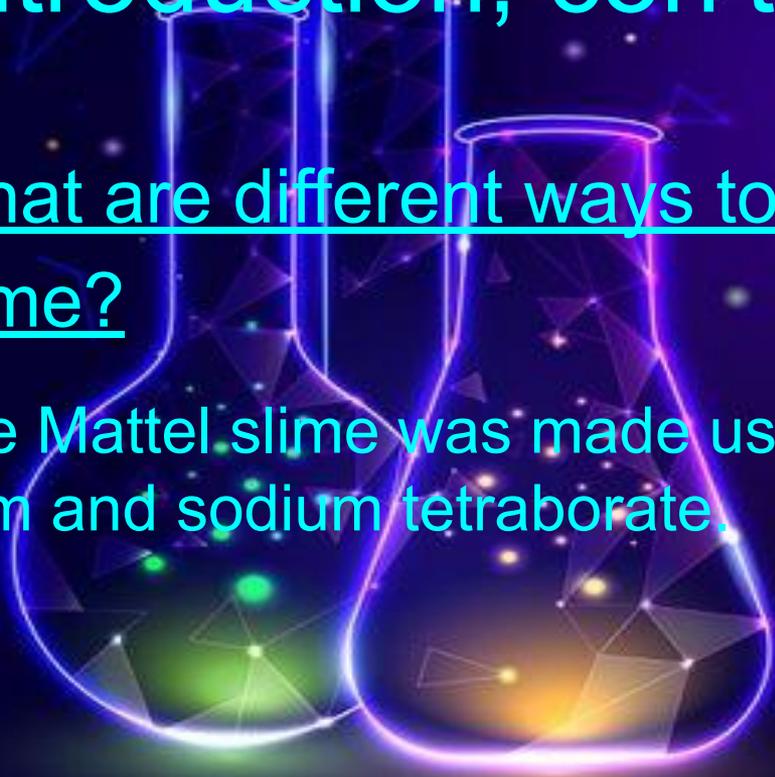
When and where was slime invented?

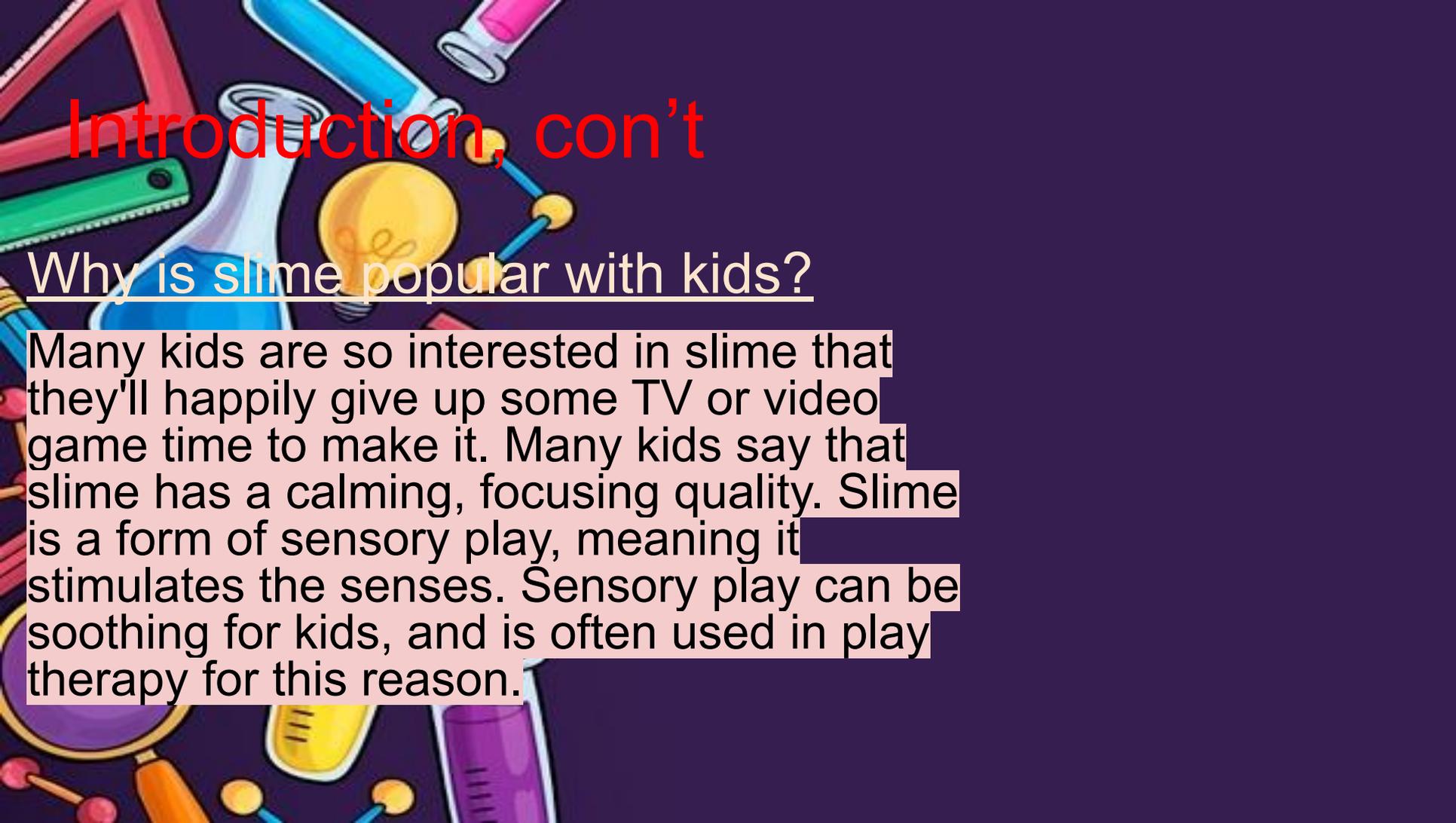
Most people credit the Mattel Toy Company as the originator of slime when it introduced ready-made slime sold in a tiny plastic “trash can” in the winter of 1976.

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What are different ways to make slime?

The Mattel slime was made using guar gum and sodium tetraborate.





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Why is slime popular with kids?

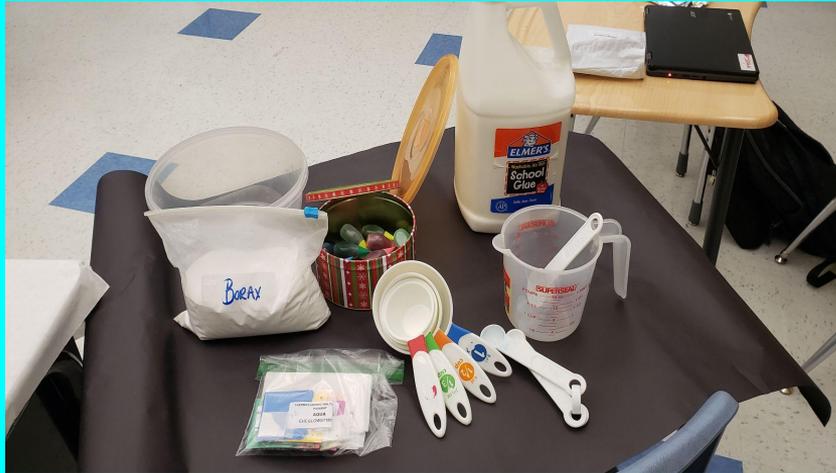
Many kids are so interested in slime that they'll happily give up some TV or video game time to make it. Many kids say that slime has a calming, focusing quality. Slime is a form of sensory play, meaning it stimulates the senses. Sensory play can be soothing for kids, and is often used in play therapy for this reason.

Step-by-Step Procedure and Materials

- 1) first, i put glue in the bowl
- 2) second, i put warm water in bowl with the glue.
- 3) third, i put borax in the bowl with glue and water and add little bit of water
- 4) forth, i fold the slime for 20 or 10 then i put food dye and again i fold it and i add the thermochromic powder and again i fold it.

Materials

The thermochromic powder and borax and the teaspoons and measuring cups and glue and food dye and bowl.



Results and Data

The slime won't change color when I hold it in my hands but if you put the slime on the heating pot, it will change color!

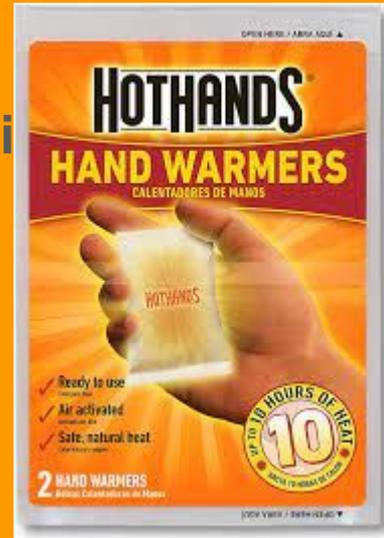
Why is it important for people to know about thermochromic slime?

Some people likes to play slime because it's helps the stress and the thermochromic slime is more fun to watch change color.

Future Research - How Would You Improve This Project?

I would make slime from different recipes like one with eye contact solution.

Experiment with hand warmers to see if it works.



References

[6 Weeks of Slime - Steve Spangler Science](https://www.stevespanglerscience.com/science-of-slime)

[https://www.stevespanglerscience.com › science-of-slime](https://www.stevespanglerscience.com/science-of-slime)

[Why is my kid obsessed with slime? - Katie Lear](https://www.katielear.com/2019/12/15/why-is-my-kid-...)

[https://www.katielear.com › 2019/12/15 › why-is-my-kid-...](https://www.katielear.com/2019/12/15/why-is-my-kid-...)