

SLIME GUIDE

Slime making has to be the ultimate activity for kids! This guide will walk you through the ingredients, techniques, and tips to create the ultimate slime.

SALINE SOLUTION SLIME

#1 Reader Favorite recipe!



SLIME SCIENCE

Explore chemistry in action!

FLUFFY SLIME

Squish, stretch, repeat!



CLOUD SLIME

Add this secret ingredient!

SCENTED SLIME

Scent-sational slime for endless fun!



BUTTER SLIME

Smooth, soft, and oh-so-satisfying!

CRUNCHY FISHBOWL SLIME

Exciting texture awaits!

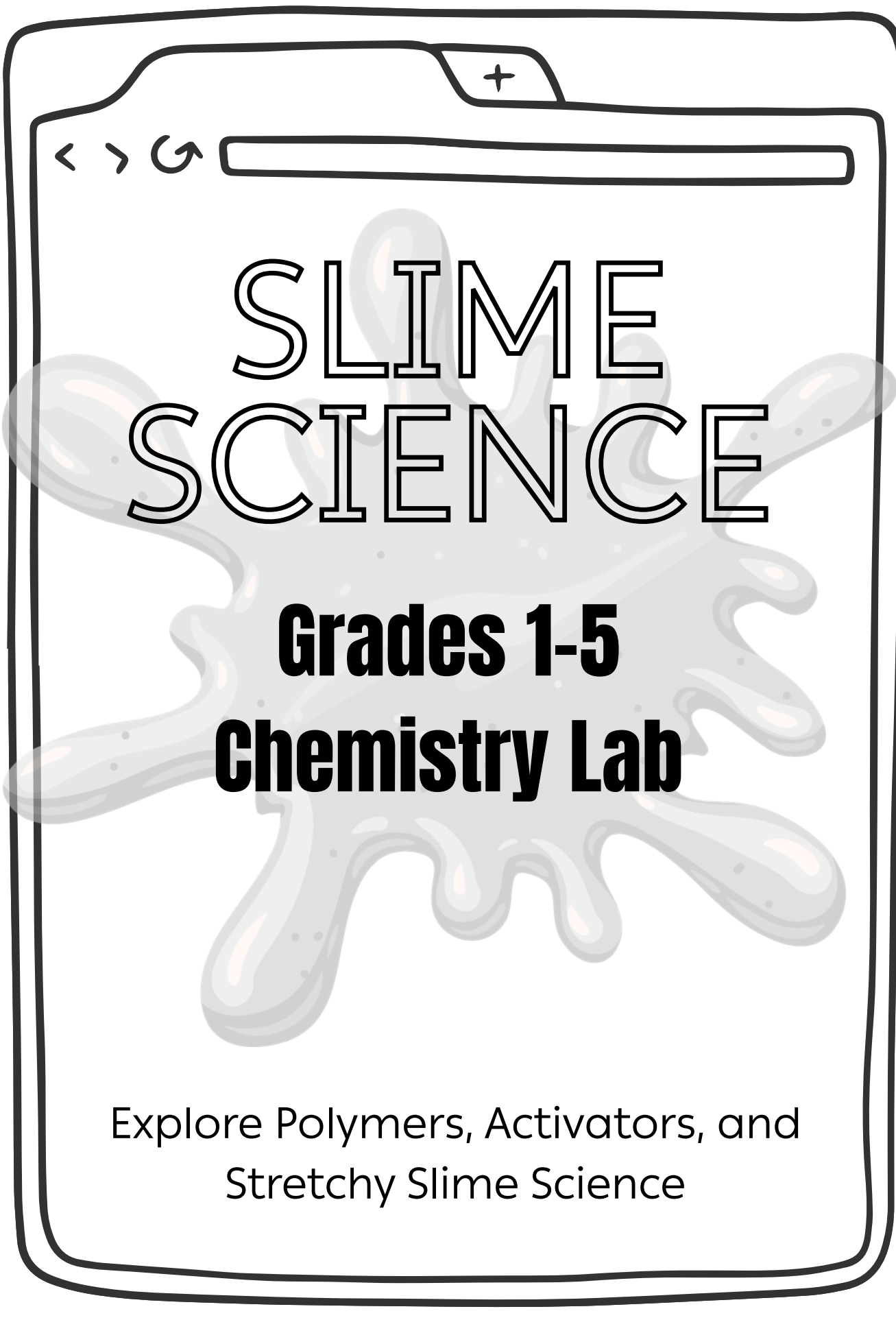
GALAXY SLIME

A cosmic mix of colors!

GLOW SLIME

No black light is needed.





SLIME SCIENCE

Grades 1-5
Chemistry Lab

Explore Polymers, Activators, and
Stretchy Slime Science

What Is Slime Science?

Slime is more than just a fun sensory activity—it's chemistry in action!

When glue and slime activator mix together, they form long, stretchy chains called polymers. These chains give slime its unique texture that can stretch, bounce, ooze, and snap.

Slime also behaves like a non-Newtonian fluid, which means it can act like both a liquid and a solid depending on how you use it.

Scientists use experiments like these to observe changes in materials, test variables, and compare results.

Kids Will Explore:

- Polymers
- Slime activators
- Stretchiness and viscosity
- Material properties
- Variables and observations
- States of matter
- Scientific thinking skills

Talk About Science

Why does slime stretch slowly but snap when pulled quickly?

What happens if you add too much activator?

Which slime feels the softest?

Is slime more like a solid or a liquid?



Slime is a fun way to explore beginner chemistry concepts through hands-on investigation.

Slime Science Investigation Challenges

Try these easy slime STEM challenges using your favorite slime recipe. Change only ONE variable at a time and observe what happens.

Investigation 1: Activator Test

Question:

What happens when you add more slime activator?

Try:

Make two batches of slime using different amounts of activator.

Observe:

- Which slime stretches more?
- Which slime feels firmer?
- Which slime breaks faster?

Investigation 2: Stretch Test

Question:

Which slime stretches the farthest?

Try:

Compare two different slime recipes or slime textures.

Observe:

- Which slime stretches longer before snapping?
- Which slime feels softer?
- Which slime moves more slowly?

Investigation 3: Texture Test

Question:

How do mix-ins change slime?

Try adding:

- Foam beads
- Glitter
- Sand
- Confetti

Observe:

- Which slime feels roughest?
- Which slime feels fluffiest?
- Which slime is easiest to stretch?



Scientist Tip

A variable is one thing you change during an experiment.

Good scientists test one variable at a time so they can clearly observe what changed.

Slime Observation Page

Use this page with any slime recipe or slime experiment. Observe carefully and record what you notice, like a real scientist, in your science journal!

Before You Begin

- What variable are you testing?
- What do you think will happen?

💡 Scientists observe, compare, and test one variable at a time to learn how materials behave.

Observe Your Slime

Color:

What color is your slime?

Texture

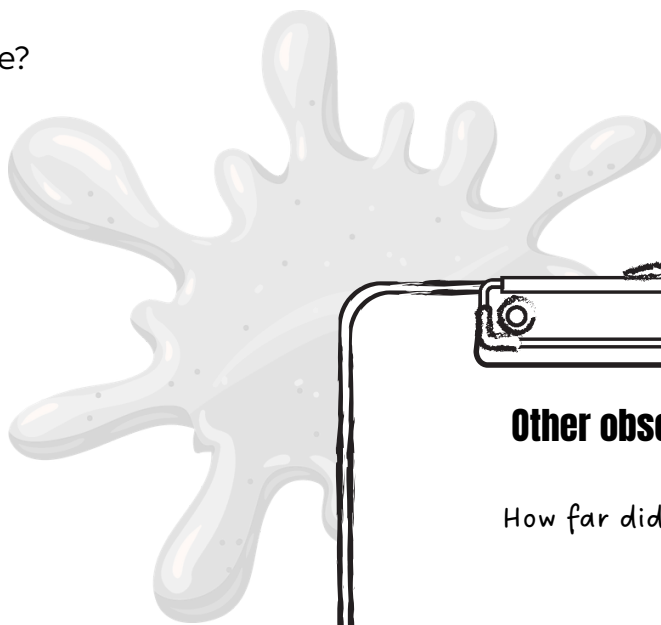
Does your slime feel:

- ☐ Soft
- ☐ Sticky
- ☐ Stretchy
- ☐ Rubbery
- ☐ Thick
- ☐ Slimy
- ☐ Fluffy
- ☐ Crunchy

Stretch Test

Does the slime:

- ☐ Stretch slowly
- ☐ Snap quickly
- ☐ Tear easily
- ☐ Bounce
- ☐ Ooze



Other observations:

How far did it stretch?

What changed in your slime?

Which slime worked best?

What would you try differently next time?

🔍 Scientist Reflection

Is slime more like a solid or a liquid? Why do you think so?

5-Day Slime Chemistry LAB

Perfect For:

- STEM activities
- homeschool science
- classroom investigations
- science clubs
- summer learning

Day 1: What Is Slime?

- Concept: polymers, non-Newtonian fluids, and basic slime science
- Activity: Make basic slime
- Question: Is slime a solid or a liquid?

Day 2: Slime Activators

- Concept: activators, cross-linking, texture changes
- Activity: Test more vs less activator
- Question: What makes slime stretchy or rubbery?

Day 3: Slime Stretch Test

- Concept: viscosity, material properties, force
- Activity: Compare stretch distance
- Question: Which slime stretches the farthest?

Day 4: Slime Mix-Ins

- Concept: texture, physical changes, materials science
- Activity: Add foam beads, sand, glitter, etc.
- Question: How do add-ins change slime?

Day 5: Design Your Own Slime

- Concept: engineering, variables, experimentation
- Activity: Create a custom slime recipe
- Question: What combination works best?

💡 Need a basic slime recipe?

Try our [easy liquid starch slime recipe](#).

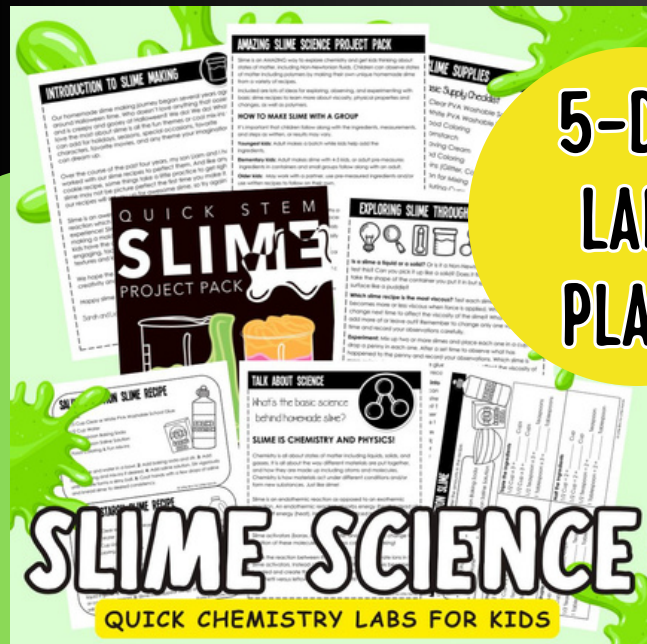
🔍 Stretchy Science Starts Here!

Discover how glue and activators combine to create stretchy polymers, test slime variables, and explore hands-on chemistry through easy slime investigations kids will love.

NEXT STEPS



The full Slime Science Investigation Pack helps kids explore polymers, slime activators, material properties, and non-Newtonian fluids through guided STEM activities and printable slime labs.



5-DAY
LAB
PLAN!

TURN THIS INTO A
FULL SLIME CHEMISTRY UNIT!
SLIME SCIENCE LAB

EVERY PACK
EVERY PRINTABLE

Get the ALL
ACCESS PASS!

ALL-ACCESS science & Art Pass



- ✓ Never Expires!
- ✓ Monthly Science & Art Lessons!
- ✓ All Our Packs & Printables!



Little Bins for Little Hands helps make hands-on learning easy for families and educators by providing simple, engaging science experiments, STEM activities, art projects, and printable resources that encourage curiosity, creativity, and learning through play.