

 NATIONAL GEOGRAPHIC


Common Core Readers

Ladders

Mixed-Up Matter



Milo, Simon, and
the Barking
Gloop



How to
Make
Gloop



Milo, Simon,
and the
Giant Eruption



Milo, Simon, and the **BARKING GLOOP**

by Allan Woodrow
illustrated by Aaron Blecha



Milo stood in his bedroom science lab. He adjusted his super-safe safety goggles. Lab safety was important to scientists, so Milo used the best lab stuff he could find. Milo was a total kid scientist. He even had a sign on his wall. It read, *World's Smartest 10-Year-Old Scientist*. His mom had made the sign.

Milo put on his lab apron and safety gloves. "Today, we are making history!" he said.

Simon was Milo's best friend. He liked helping Milo with **experiments**. So he put on his own goggles. Simon looked at the blue blob bubbling in a jar. "That doesn't look like history," Simon joked. "What is it?"

"It is a simple mixture. It's just liquid starch and glue. If you mix them together, you get a new kind of **matter**. It is called gloop."



HOW TO MAKE GLOOP

by Stacey Klamon
illustrated by Aaron Blecha

Is gloop a solid or a liquid? Some **properties** help it act like a liquid. Gloop can flow. It can also take the shape of the jar it's in. Some properties help it act like a solid. Gloop can hold its own shape. Make your own gloop. Follow these steps!

SAFETY

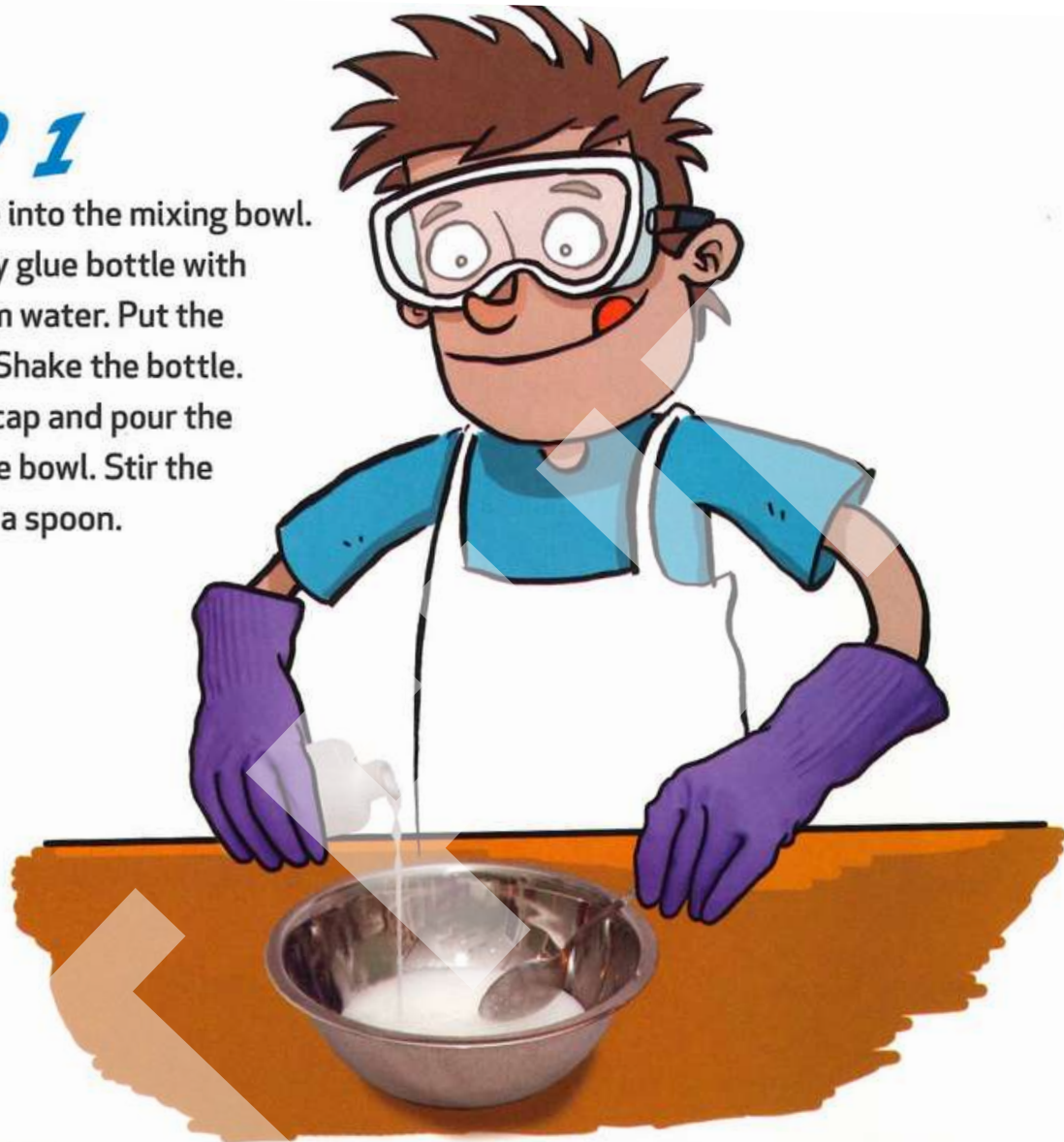
- Wear an apron, goggles, and gloves when making gloop.
- Wash your hands after handling gloop.
- If you use food coloring, keep the gloop off your clothes.

WHAT YOU NEED



STEP 1

Pour the glue into the mixing bowl. Fill the empty glue bottle with 1 cup of warm water. Put the cap back on. Shake the bottle. Take off the cap and pour the water into the bowl. Stir the mixture with a spoon.





STEP 2

If you don't want your gloop to be white, then try an **experiment** with your favorite color food coloring. You can also use the chart to mix up a color. The numbers show about how many drops to use.



MIXING COLORS

SHADES				
Turquoise	-	-	8	2
Brown	14	8	-	4
Grape	10	-	2	-
Lime	-	6	-	2
Pistachio	-	2	-	8
Orange	4	6	-	-
Peach	2	4	-	-
Salmon	6	4	-	-



Nothing happened. "Hmmm," said Milo. He looked inside the volcano. "I can see the lava bubbling. That means some of the mixture's properties must be changing. Why is there no eruption?"





BANG! The lava shot up into the sky. It took Milo with it.

Milo passed by a bird. He knew it was a wood stork. Milo knew all about animals. "What are you doing here?" he said. "You should be closer to water."

The stork just yapped back.

NATIONAL GEOGRAPHIC

Ladders



380L

NGSP.com/NGLadders 800-354-9706



ISBN 978-0-7362-9302-0

