

GLOOZE

SLIME

WHAT YOU NEED:

- Skim milk
- Vinegar
- Baking soda
- A coffee filter

WHAT YOU DO:

- 1 Add 7 tablespoons of skim milk to a cup and add 1 tablespoon of vinegar to the milk. Gently stir the mixture until solids have formed.
- 2 Let the solids sink to the bottom of the mixture and then drain off the liquid using a filter (a coffee filter works best). Let the solids drain for a few minutes.
- 3 Add $\frac{1}{4}$ teaspoon of baking soda to the solids and knead together to form a slimy mixture from milk.



WHAT HAPPENED:

When you added the vinegar to the milk, it caused the milk's protein, casein, which is also a polymer, to separate from the liquid part of the milk and clump together to form solids. Casein is used in adhesives, paints, and even plastics. The baking soda neutralizes the acid added, which allows the casein to go back to its liquid form.