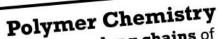
Slime

- 1. Mix 1 cup Elmer's glue and ¼ cup water.
- 2. Add 1 tsp borax to ½ cup hot water, in another container, and stir to dissolve.
- 3. Mix some of each solution together, and
- 4. Try different amounts of each solution, and test the properties of your slime!



Polymers are long chains of molecules. They can be manmade or found in nature. Elmer's glue contains polyvinyl alcohol (PVA), a manmade polymer. Borax is made of a natural mineral, sodium tetraborate. When mixed, borate chemically crosslinks the PVA to form a gel polymer.



Go with the flow

Slime is a non-Newtonian fluid, it can behave as a liquid and a solid. Viscosity is a measure of how a fluid flows. When you say something is "as thick as honey", you are describing its viscosity. The viscosity of slime changes when you apply a force. With little force, it flows like water. When you smack it, it becomes thick and viscous.





Airplane runway repair uses polymer concretes and mortars that bond to different surfaces and cure in minutes. Attributes include strength and flexibility.