

Encouraging Tomorrow's Chemists

Polymers

Supplies for one classroom for one session

A. Slime

~30 Dixie cups
~30 Wooden sticks
Food coloring
~30 50-mL tubes of 25 mL of solution A (PVA)
~30 vials of 5 mL of solution B (borax)
latex gloves (small)

B. Superballs

~30 vials of 10 mL of solution C (sodium silicate)
~30 vials of 5 mL of solution D (ethanol)
~30 Dixie cups
Wooden sticks
Paper towels

C. Disappearing Coffee Cup

Small aluminum tin
Polystyrene coffee cup
Acetone
Acetone waste container

D. Nylon Pulling

Large TLC jar
10 mL hexamethylene diamine
10 mL sebacoyl chloride solution
Copper wire hook
Rhodamine dropper bottle
Nylon waste container