

Make a Bouncy Ball

1. Make a recipe by circling an amount of each ingredient that you want to use to make your bouncy ball.

Warm water: 1 2 4 6 tablespoons (tbsp)

Borax: $\frac{1}{2}$ 1 2 3 teaspoons (tsp)

Food coloring: 1 2 4 6 drops

Glue: $\frac{1}{2}$ 1 2 3 tablespoons (tbsp)

Cornstarch: $\frac{1}{2}$ 1 2 3 tablespoons (tbsp)

2. Get two paper cups. Label one with "Borax" and the other with "Ball".
3. Combine warm water and borax in the "Borax" cup. Stir with a wooden stir rod until the borax dissolves.
4. Add drops of food coloring to the "Borax" cup.
5. Put glue into the "Ball" cup. Then add the cornstarch and the contents of your "Borax" cup. DO NOT STIR.
6. After 10-15 seconds, stir the mixture until it is firm. Then, take out your blob and mold it into a ball. Time how long it takes to solidify.
7. Look at your ball and make some observations:

How long did it take to solidify? _____

Diameter of ball: _____

Drop it from 12 inches. How high does it bounce? _____

Sliminess: (not slimy) 1 2 3 4 5 6 7 (very slimy)

Stickiness: (not sticky) 1 2 3 4 5 6 7 (very sticky)

Color: (almost white) 1 2 3 4 5 6 7 (very colorful)

Any other observations you have: _____
