



DIY Bouncy Balls

Materials :

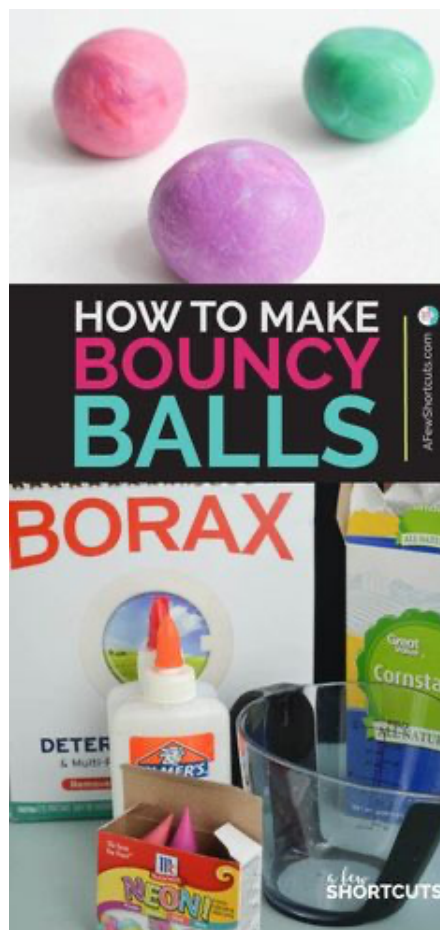
- Borax
- Very warm water
- White school glue
- Cornstarch
- Food coloring
- Bowls and cups
- Spoon or fork

Procedure :

1. Add 1 Tbsp of borax to very warm water and stir until completely dissolved
2. In a separate container, mix cornstarch (1 tbsp), white glue (2 tbsp), and food coloring
3. Carefully add the glue mixture into the borax mixture while stirring
4. Scoop glue mixture out of bowl
5. Roll in hands to begin forming to like a ball
 - a. **NOTE :** Dab with a paper towel occasionally, roll until it becomes firm. It's normal for it to take a while. The more you work with it the firmer it will become
6. Try it out and bounce the bouncy ball!

The Science Behind It :

Similar to slime science, DIY bouncy balls give us a chance to learn about states of matter and polymers. Glue is a **polymer** in a liquid state; polymers are made up of strands or molecules that



are identical and repeat. When we add the glue mixture into borax, the polymer strands tangle up and mix until it becomes rubbery and thick!

Extra Notes :

1. These ingredients will make 1 bouncy ball

Additional Resources :

1. <https://littlebinsforlittlehands.com/how-to-make-a-bouncy-ball/>
2. <https://afewshortcuts.com/how-to-make-bouncy-balls/>
3. <https://theteachingtexan.com/2016/07/bouncy-balls-step-by-step-how-to-guide.html>