



Sugar and Salt

Try this experiment with your students to see how these look-alikes react differently with this easy-to-do (and fun) experiment.

What you need:

- 2 clear plastic cups
- 1 teaspoon salt
- 1 teaspoon sugar
- marker
- active, dry baker's yeast
- warm water

What to do:

1. Pour one teaspoon of salt into a cup and label it "salt." Pour one teaspoon of sugar into another cup and label it "sugar."
2. Add one teaspoon of active, dry yeast to each cup.
3. Add 1/3 cup of warm water to each and stir for 10 seconds. Before starting, ask your students to predict what will happen to the sugar and the salt. Why do they think so?
4. Put the cups aside. Encourage the kids to predict what will happen to the sugar and the salt. Why did they make those predictions?
5. After three minutes, observe the cups. How is the cup with sugar different from the one containing salt? (Hint: It forms a sticky foam. The cup with salt does not react.)

Learning benefits:

- Strengthens prediction and observation skills
- Provides practice conducting an experiment