

The Exploding Snowman Science Experiment

Book: WISH UPON A SNOWMAN

This experiment is quick, easy, and fun! The great thing about this exploding snowman science experiment is that it's versatile. Draw a snowman on it for winter, a pumpkin for Halloween, or a monster to have an exploding monster any time!

Note: This can make a mess so consider doing it on hard flooring or put a tablecloth under a table. | Directions from www.mombrite.com

Supplies:

- Sandwich Bag
- Permanent Marker
- Baking Soda
- Vinegar
- Paper towel or tissue paper

Directions:

1. Give the sandwich bag to your little to draw a snowman face. This is a great opportunity for them to practice drawing a snowman!
2. Wrap 3 teaspoons of baking soda inside a piece of paper towel or tissue.
3. Place the baking soda packet inside the plastic bag.
4. Pour about 1-2 cups of vinegar into the sandwich bag and seal the bag quickly. It should swell up quickly.
5. Stand back and watch it explode!

If you follow the steps mentioned above, you do have to close the bag extremely fast after you dump the white vinegar into the bag. The reaction starts immediately and if you don't hurry, all the air will escape.

If you are paranoid about the bag exploding in your hands, here is another way to do this:

1. Same as above.
2. Same as above.
3. Pour about 1-2 cups of white vinegar into the sandwich bag.
4. Insert the baking soda package inside the sandwich bag, but do not let it touch the vinegar.
5. Close the sandwich bag and let go of the baking soda package so it drops into the vinegar.
6. Stand back and watch the bag explode!

Discussion Questions:

- Why did the snowman explode?
- What do you think would happen if we used a bigger size bag, but the same amount of ingredients?
- What did you hear? What did you see? What did you smell?

Early Learning Standards (may meet other standards not listed):

ELA 1.3 Demonstrate ability to engage in conversations

SC1.1: Demonstrate ability to explore objects in the physical world

SC5.1: Demonstrate scientific curiosity

