

15 Days of Winter Break

Exploding Snowman

What You Need:

- sandwich bag
- black and orange permanent markers
- 3 teaspoons baking soda
- 1-2 cups vinegar
- paper towel or tissue



Photo from mombrite.com

Instructions:

1. Decorate your sandwich bag to look like a snowman's face. Draw on his eyes and mouth with the black marker and add a large carrot nose with the orange marker.
2. Wrap the baking soda inside a piece of paper towel or tissue.
3. Place the baking soda packet inside the plastic bag.
4. Pour the vinegar into the plastic bag and quickly seal the bag. The chemical reaction will happen immediately!
5. Stand back and watch it explode!

Tips:

- Do the experiment outdoors for easier cleanup.
- The chemical reaction will happen very quickly once the two substances mix.

How does this work?

As baking soda, or sodium bicarbonate, mixes with vinegar, carbon dioxide is created. The bag starts to fill with carbon dioxide (that is why you see the bag start to swell up) until the pressure is too much and . . . BOOM!

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