

DISAPPEARING SODA

Overview and objective:

Students will learn about observable **states of matter** and **chemical reactions** .

In physics, a **state of matter** is one of the distinct forms that matter takes on. Four states of matter are observable in everyday life: solid, liquid, gas, and plasma.

Source: [Wikipedia](#)

A **chemical reaction** is a process that leads to the transformation of one set of chemical substances to another.

Source: [Wikipedia](#)

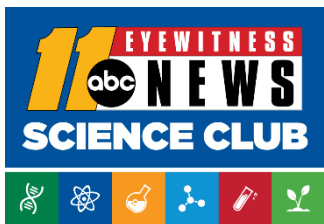
Procedure:

1. Open a new bottle of your favorite brown soda (any brand of cola works).
2. Carefully pour 2% milk into the bottle with the soda until the bottle is completely full.
3. Replace the bottle cap and screw it on tightly.
4. Wait patiently and observe the milk and soda mixture in regular intervals (every 30 minutes to an hour).
5. Watch as the milk settles at the bottom of the bottle, and the soda becomes invisible.
6. Document your results.

WHAT YOU WILL NEED:

- 2% reduced fat milk
- Brown cola, 20 oz.
- Safety gloves
- A pitcher
- Safety goggles





Presented by



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Discussion:

- *Why does a separation of liquids occur?*
- *Why does the milk settle at the bottom of the bottle?*

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Visit us on www.Facebook.com/abc11scienceclub and share the video or picture of your Disappearing Soda.

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