

# Dissolving Candy Cane

## Materials Needed:

- Candy Canes
- Hot Water
- Vinegar
- Cold Water
- A fourth liquid (oil, soda, seltzer water, sugar water, salt water)
- 4 cups (glass is preferable, but not necessary)
- Timer

**Make a Hypothesis (Prediction):** Which liquid do you think, will dissolve the candy cane?

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Which liquid do you think, will **not** dissolve the candy cane?

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## Procedure (testing our hypothesis):

**Step 1:** Fill each cup with ONE liquid, about half full.

**Step 2:** Place ONE candy cane in each cup. Start your timer and wait 10 minutes; draw a picture of the changes you see. Repeat every 10 minutes for an hour.

**Step 3:** After 60 minutes, remove the candy canes from their cups and compare the differences.

## Conclusion (complete after performing experiment):

- Which liquid dissolved the candy cane the most?

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- Which liquid dissolved the candy cane the least?

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- Did any of the liquids not dissolve the candy canes? Why?

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**Data:** In the boxes below, record the difference in the candy cane over time.

**Liquid 1:**

10 minute	20 Minutes	30 Minutes	40 Minutes	50 Minutes	60 Minutes

**Liquid 2:**

10 minute	20 Minutes	30 Minutes	40 Minutes	50 Minutes	60 Minutes

**Liquid 3:**

10 minute	20 Minutes	30 Minutes	40 Minutes	50 Minutes	60 Minutes

**Liquid 4:**

10 minute	20 Minutes	30 Minutes	40 Minutes	50 Minutes	60 Minutes

**Any questions? Call us or email us!**

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