Sugar in Cool or Warm Water?

Kindergarten-Grade 2 | Physical science | Adult-guided investigation | Color

Learner: _____ Date: _____

A grown-up prepares two clear cups with the same amount of cool and comfortably warm water. Add one level teaspoon of sugar to each, stir the same number of times, and compare. Never use hot water.

1 **PREDICT WHICH DISSOLVES FASTER**

2 **LABEL COOL AND WARM CUPS**

3 **ADD ONE TEASPOON TO EACH**

4 **STIR EACH CUP TEN TIMES**

5 **WATCH FOR SUGAR GRAINS**

6 **COMPARE AND DRAW OR TELL**

Grown-up check: Sugar often dissolves faster in warm water. A fair test keeps cup, water amount, sugar amount, and number of stirs the same; only temperature changes. Adult prepares comfortably warm, never hot, water and supervises.

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