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ACTIVITY 1

Name \_\_\_\_\_

**THE DISAPPEARING ACT!**

You are going to add table salt, sugar and corn starch to cups of water. What do you guess (predict) will happen to the substance in each cup?

Salt: \_\_\_\_\_

\_\_\_\_\_

Sugar: \_\_\_\_\_

\_\_\_\_\_

Corn starch: \_\_\_\_\_

\_\_\_\_\_

Fill three clear plastic cups with about the same amount of water. Leave about an inch at the top so you can stir. Label each so you know which gets salt, sugar and corn starch.

How many teaspoons will you add to each cup? Circle 1 2 or 3.  
Each gets the same number.

After adding the substances, sit and observe for two minutes. What can you see happening?

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\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

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Stir each cup 10 times using the same technique. Did any dissolve?

Repeat stirring each 10 times and then observing all of them. Mark out the number of times stirred before a substance dissappeared if it did so.

**Salt:**

10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200

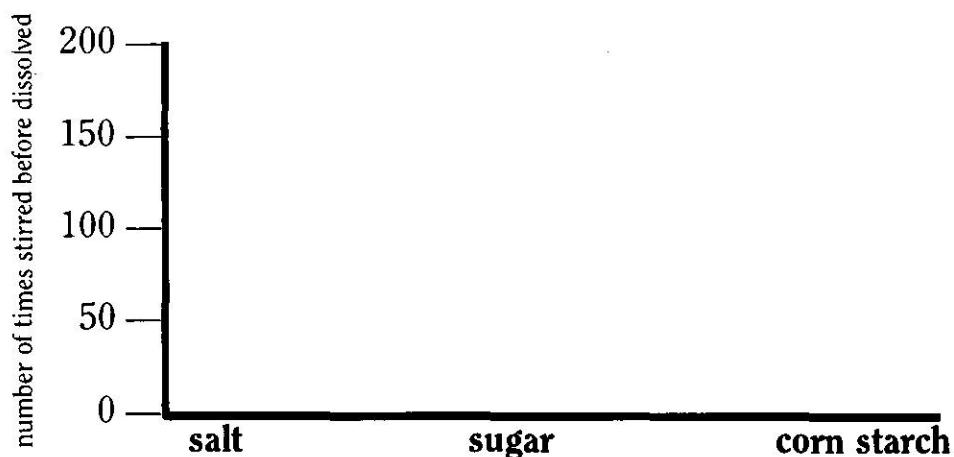
**Sugar:**

10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200

**Corn starch:**

10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200

Make a bar graph of these results:



Did each dissolve? \_\_\_\_\_

Which dissolved fastest? \_\_\_\_\_

Write a complete sentence that is one conclusion that you could make based on the results of your experiment.

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