**Gobstoppers**

(source: *Doing Good Science,* pg. 88)

***Problems***

* “Does the color of a Gobstopper change?”
* “How does the color change?”
* “How quickly does the color change?”
* “Does the color change more than once?”

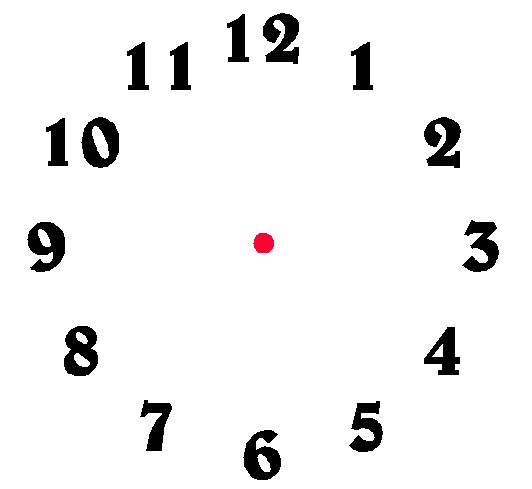
***Materials***

* Four different-colored Gobstoppers
* Bowl
* Measuring cup
* Colored pencils
* Stopwatch

***Procedures***

1. Fill your bowl with 100 mL of water.

2. ***Gently*** place four different-colored Gobstoppers into the water, placing them around the edges, as far away from the others as possible. Use the clock diagram below to help you place the Gobstoppers. ***DO NOT DISTURB THE CUP OF WATER.***



3. As soon as you place the Gobstoppers into the water, begin making observations. Write down ***everything*** you observe. Do this for twenty (20) minutes.

4. Make ***at least*** two drawings as the reaction takes place.

5. Complete the worksheet.

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**Gobstoppers Data Sheet**

1. Record what happens to the Gobstoppers over twenty (20) minutes.

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2. Draw your two diagrams in the boxes below.

3. Describe what happened to the water over the twenty (20) minutes.

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4. Describe the patterns of change in the water.

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5. Describe the patterns of change in the Gobstopper.

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6. What did you observe to indicate that a Gobstopper is a mixture of different dyes and flavors?

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