Fountain of Soda Pop

Section: Properties of Matter; Topic: Solubility

Name: _____ Date: _____

Inquiry Question

Write down what you'll be learning today! What do you want to understand?

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Procedure

1. Open the bottle of soda pop and place it into the center of an open space.
2. Wrap about 10 Mentos® mints in a construction paper tube to hold them in place. They should be stacked neatly so they can easily fall into the opening of the soda pop bottle.
3. Place an index card over the opening of the bottle and the stack of mints on top of the index card, directly over the opening.
4. Quickly pull the index card away to let the mints drop into the bottle, then step away!

Observations, Data Collection & Analysis

Write down your observations below.

1. What do you see and hear when the bottle of soda pop is opened? Why?

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2. What are the components of soda pop?

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3. Draw a step-by-step diagram of what happened in this activity. Why does each of those steps occur?

4. What was the appearance of the fountain? What do you think caused it to explode?

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5. How high did the fountain go? How could you increase or decrease the height?

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6. What are the components left in the bottle of soda pop in the end?

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