



Let's use the scientific method and write it out as she goes.

## Oct. 1 Apple Oxidation

### → 1) Question

What will happen to an apple if I remove the oxygen?

### 2) Hypothesis

If I remove oxygen from around the apple then it should stay fresh because from my previous experiment we discovered that apples turned brown when exposed to oxygen.

### 3) Materials

- |                             |               |
|-----------------------------|---------------|
| -3 small plastic containers | - spoon       |
| -3 large plastic containers | - candle      |
| -3 slices of apples         | - lighter     |
| -3 pieces of Tin foil       | - baking soda |
| - Vinegar                   |               |

## 4) Design Experiment (Done by girl)

### 5) Procedure

\*Label large container 1 with burnt candle. Light a candle and place it inside the container. Place 1 slice of apple in the smaller container and place that container in the large container with the lit candle. Put a piece of tin foil over the container 1.

\*Label large container 2 with baking soda and vinegar. Pour in 1 cup of vinegar in large container and add 2 teaspoons of baking soda. Let it fizz for about a minute then place 1 slice of apple in the smaller container and place that container in the large container with the vinegar mixture. Put a piece of tin foil over the container 2.

\*Label large container 3 as control. Place 1 slice of apple in the smaller container and place that container in the large container. Put a piece of tin foil over the container 3.

### 6) Observation

All 3 apples are brown but not as brown as I thought they would be. The control looks to be the whitest.

### 7) Conclusion

Our hypothesis was wrong because even with trying to remove oxygen with CO<sub>2</sub> (Burnt candle and vinegar mixture) The apple turned brown.

7b) Communicate-->