

Bag of Change lab

September 21, 2015

9:08 AM

Purpose: To monitor the different kinds of changes between the various, unknown substances.

Hypothesis: **When** the chemicals mix, the substances **will** change in temperature and colour.

Materials:

- Chemicals A, B, and C
- 2 small measuring spoons
- 50 mL graduated cylinder
- 2 resalable plastic bags
- Water

Procedure:

1. observe the different attributes of each substance (substance A, B, and C).
2. Record them.
3. Place the chemicals in a bag. (one spoon of chemical A, one spoon of chemical B, and 10 mL of chemical C.)
4. Quickly seal the bag
5. Mix the chemicals by pinching the bag
6. Record the different changes
7. When done, wash chemicals down the sink
8. Wash equipment
9. Put away equipment
10. Wash hands

Observations:

Chemical A.

- In little balls
- Looks like Styrofoam.
- Is hard like hard candy
- White
- Room temperature

Chemical B.

- Fine powder
- White
- Room temperature.

Chemical C.

- Blue liquid
- Resembles food colouring
- Room temperature
- Liquid state

Mix time! (results)

When we mixed the chemicals A and B, nothing happened. But when we added Chemical C (the blue liquid)all these changes began to occur.

- The solid substances became liquids
- The white substances and blue liquid turned orange
- The liquid became foamy
- The temperature of the mixture became hot
- Some gas was released

Most important findings : when you mix the different kinds of unknown chemicals, many different changes may occur.

Conclusion: the purpose of this experiment was record all the different changes that occurred and so many did to my hypothesis was correct. The changes in temperature and colour did occur.