

Lesson 4: The Mystery Mixture

In Lesson 4 students have the opportunity to design and conduct an experiment.

Sample 1 contains clear, sequential directions and a complete supply list (including quantities). With the exception of a non-descript title and an undated paper, this is very good work.

Sample 1

Plan

1. Put on our goggles.
2. Get our supplies.
3. put one ml of water in each cup.
4. observe the powder with the ~~eyes~~ magnifying glass.
5. put observations in data table.
6. Add 5 ml of water to 1 cup.
7. observe and record data / stir
8. Add 5 ml of cabbage juice to one cup.
9. observe and record data.
10. Add ml of vinegar ~~stir~~ observe and record data.
Supply list to each cup.

goggles
1 bag
binders
magnifiers
Vinegar
Cabbage Juice
water
stirring sticks
3 medicine cups
measuring spoons
1 ml of each powder
5 ml of liquids

6 drops of each liquid

This is excellent—it should be the first direction on every student's plan.

The student intended to say "powders."

Sample 2

Sample 2 contains partially complete directions and materials list. This sample also illustrates a very different (and interesting) method for organizing and communicating the lab steps/procedure.

Areas for Improvement:

- Directions/Steps—include wearing goggles, identify amount of powder and liquids used throughout steps, and clarify that liquids written on the left side correspond with the directions
- Materials—include names and quantities of liquids
- Title and date paper

