
5:62 Observing Physical Properties Lab

You will be slowly combining four ingredients and observing how their physical properties change as they are combined. To begin with you will need the following:

- 200 ml water in a 250 ml beaker
- 10 drops phenol red in a small glass beaker
- 25g baking soda in a small glass beaker
- 25g calcium chloride in a small glass beaker
- Stirring rod or craft stick

In these first four boxes, record the physical properties of the original four chemicals. After you have recorded observations, follow each of the steps on the next page. Record the physical properties of the mixtures as they are formed.

200 ml Water:

10 drops Phenol Red:

25g Baking Soda:

25g Calcium Chloride:

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Now, add the phenol red to the water, stir the mixture, and observe the new set of physical properties:

200 ml Water with 10 drops Phenol Red:

Next, add the baking soda into the beaker with the water and phenol red. Stir the mixture well. Observe the new set of physical properties:

200 ml Water with 10 drops Phenol Red and 25g Baking Soda:

Carefully add the calcium chloride into the beaker with the water, phenol red, and baking soda. Stir the mixture slowly. Observe the new set of physical properties:

200 ml Water with 10 drops Phenol Red, 25g Baking Soda and 25g Calcium Chloride: