

Seawater Investigation

Materials

- 1 Plastic cup
- 1 Plastic lid for cup, with hole
- 60 ml Limewater (calcium hydroxide solution)
- 4 Straws with hole punched in side
- Safety goggles

Instructions

1. Work with your group. Measure 60 ml of limewater [$\text{Ca}(\text{OH})_2$ solution] into a cup.
2. Place the lid on the cup.
3. What does the calcium hydroxide solution look like? Write your observations in the “Seawater Observations” table below.
4. Take turns poking your straw through the hole in the lid and gently blowing air into the limewater. Continue taking turns for 2 or 3 minutes. **SAFETY NOTE: Don't suck up the limewater.** Make sure you don't blow so hard that the water splatters into your eyes. If you get some limewater on your hands, rinse them with clear water.
5. What does the limewater solution look like now? Record your observations below.
6. Let the cup stand for 5 minutes and then record your observations.

Seawater Observations

Observations of $\text{Ca}(\text{OH})_2$ cup before bubbling	Observations of $\text{Ca}(\text{OH})_2$ cup after bubbling	Observations of $\text{Ca}(\text{OH})_2$ cup after standing for 5 minutes

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