

**WARNING** — This set contains chemicals that may be harmful if misused. Read cautions on individual containers carefully. Not to be used by children except under adult supervision.

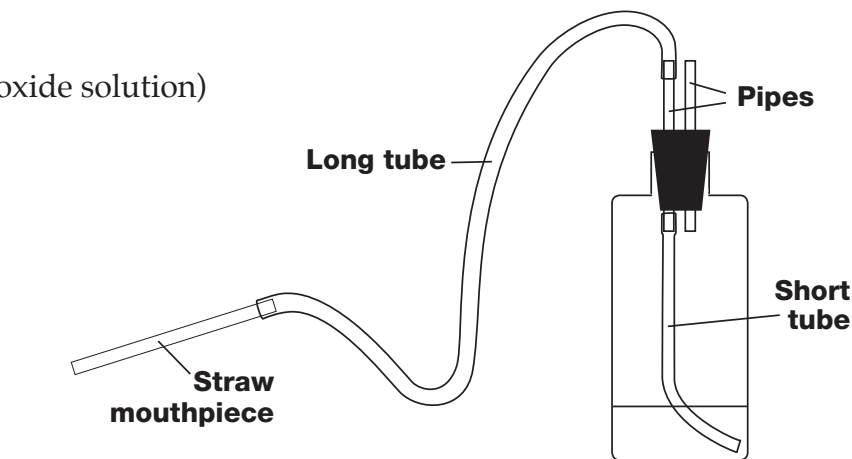
Name \_\_\_\_\_

Period \_\_\_\_\_ Date \_\_\_\_\_

## LIMEWATER INVESTIGATION A

### Materials

- Limewater (calcium hydroxide solution)
- 1 Plastic bottle
- 1 Rubber stopper, 2-hole
- 2 Clear plastic pipes
- 1 Short piece of tubing
- 1 Long piece of tubing
- Straw mouthpieces
- Protective eyewear



### Procedure

- Push the two clear plastic pipes through the holes in the rubber stopper.
- Attach a long piece of tubing and a short piece of tubing to one pipe, as illustrated.
- Put on protective eyewear. Measure 30 mL of limewater into the bottle. Insert the rubber stopper in the bottle.
- Take turns using your straw mouthpieces to *gently* bubble one breath of air into the bottle through the long tube. Everyone should have at least two turns.

### Results

Describe the changes you observed in the bottle.

---

---

---

### Conclusion

Starting substances change into new substances during chemical reactions. Do you think a reaction occurred in the bottle? Why or why not?

---

---

---

---