

## SECTION 6: LONGER LASTING BUBBLES

### LAB

### INTRODUCTION

Blow a bubble that will last for ten minutes... twenty minutes...over an hour! Yes, it is possible! In 1917, Sir Thomas Dewar made a bubble that lasted 108 days. Since then, Eiffel Plasterer, a physicist who has been blowing bubbles for close to sixty years, blew a bubble that lasted for 340 days! Present this challenge to your students, and let them apply what they've learned about bubbles. This open-ended experiment serves as an excellent culmination to a unit on bubble science.



### ASSESSMENT ANCHORS ADDRESSED

- S4.A.1.1** Identify and explain the pros and cons of applying scientific, environmental, or technological knowledge to possible solutions to problems.
- S4.A.2.2** Identify appropriate instruments for a specific task and describe the information the instrument can provide.
- S4.C.1.1** Describe observable physical properties of matter.

### PURPOSE

Students will culminate all that they have learned about bubbles when they try to make bubbles that last!

### MATERIALS

#### For the class:

- \*1 pint sized containers
- Dishwashing liquid
- Glycerin
- 1 pie pan
- straws
- \*Newspaper
- Eyedropper
- 1 one gallon container
- \*water

*Teacher provides items marked with \**