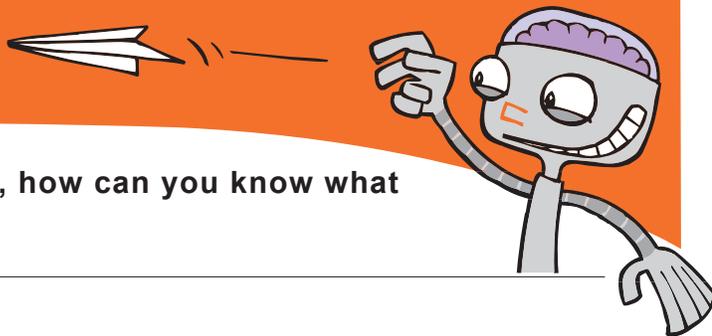


## BIG BUBBLES



If you can't measure a bubble when it floats, how can you know what size it is?

### WHAT YOU'LL NEED

- Smooth, flat surface that can get wet (table, countertop, cookie sheet, pizza pan)
- Bubble solution (from store or homemade)
- Drinking straw
- Meter or yard stick
- Paper towels for cleanup

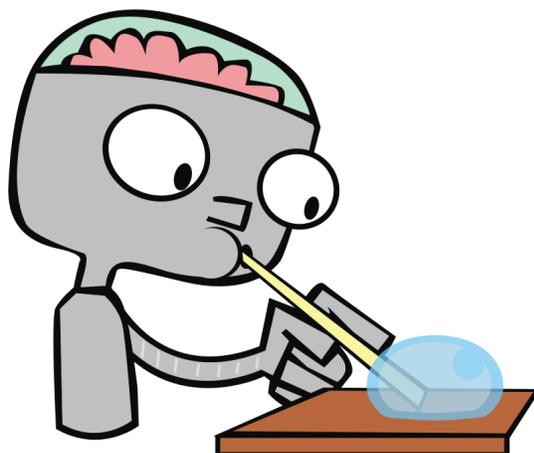
### WHAT TO DO

**1** Pour some soap solution on the flat surface. Spread the solution around with your hands, to wet an area 18 inches in diameter, or as big as you can if your surface is smaller. Let your hands stay wet.

Dip one end of the straw into the bubble solution.

**2**

**3** Breathe in, then put your mouth to the non-bubble end of the straw. With the bubble-end just touching the soapy flat surface, gently blow through the straw to form a bubble dome.

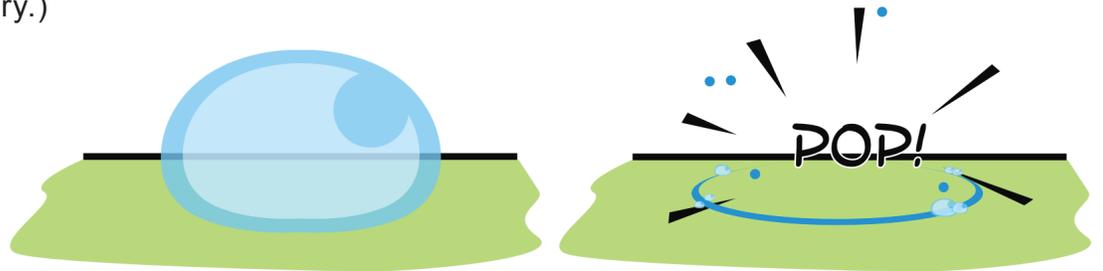


**ACTIVITY CONTINUED ON NEXT PAGE (PAGE 1 OF 2)**

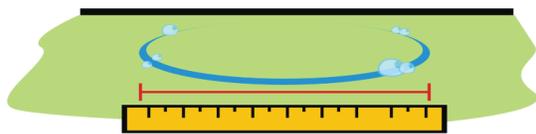
This activity was modified and adapted from the LHS *Bubble-ology* Teacher's Guide published by LHS Great Explorations in Math and Science (GEMS).

# BIG BUBBLES (ACTIVITY CONTINUED)

- 4** Keep blowing until the dome pops, or until the bubble is as big across as your flat surface—then pop it. (Take more than one breath to blow, if necessary.)



- 5** Measure the inside diameter of the remaining soap suds ring (length of a line from one side of the ring to the opposite side).



- 6** Repeat steps 1-4 at least five times, to see how big your largest bubble can be.



## DID YOU KNOW?

You can blow a bubble big enough to stand in—using a hula hoop and a small wading pool filled with soap solution!

(PAGE 2 OF 2)

This activity was modified and adapted from the LHS *Bubble-ology* Teacher's Guide published by LHS Great Explorations in Math and Science (GEMS).