Bubble Duet

Blow two bubbles with one bubble blower—and see how they affect one another.

**What to do:** Cut four slits about 2/3 inch (17mm) long at both ends of the drinking straw. Bend the cut strips outward, as in the illustration. Make a small slit in the middle of the straw, and bend it at the slit. You have now made a two-ended bubble pipe.

Dip one end of the pipe into the bubble mix. Blow into the middle slit. You'll get a bubble. Blow a second bubble by dipping the other end of your pipe into the mix and blowing the middle slit again. Then seal the slit in the middle of the bubble pipe by covering it with your fingers.

**What happens:** When you blow the second bubble, the first one gets larger. When the opening is sealed, the smaller second bubble gets ever smaller while the first one gets even larger.

**Why:** Because a small bubble is more curved than a large bubble, the air pressure exerted by its "elastic" skin is greater than that on a large bubble. Therefore, the small bubble gets smaller. The air from it is forced into the bigger bubble, which then gets even larger.

**YOU NEED**
- plastic drinking straw
- scissors
- bowl of bubble mix