

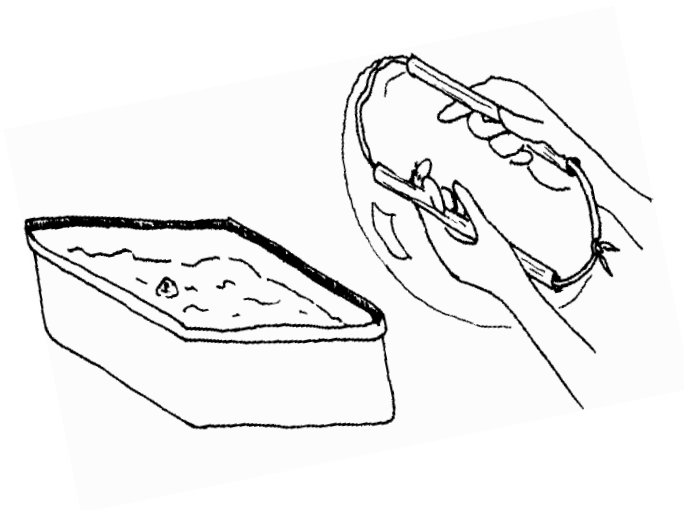


## Backyard and Beyond

### Giant Bubbles

#### What you need:

- 2 drinking straws
- 4 feet of cotton string
- 1/4 cup liquid dishwashing soap (Dawn or Joy works best)
- a bucket with 1 gallon of water
- a shallow container large enough for the straws to lay covered in the bottom.



#### What you do:

1. Mix the soap and water in the bucket and pour the solution into the shallow pan to a depth of 1/2". Mix slowly to avoid foaming.
2. Thread the string through both straws and tie the ends of the string together.
3. Holding the two straws together, dip the bubble blower in the bubble solution and remove it.
4. Slowly pull the straws apart. Do you see the bubble window?
5. Pull the bubble window through the air to make a giant bubble. To release the bubble from the straws, gently draw the straws together as the bubble forms.

#### Things to try:

- Can you put your finger through the bubble window? (HINT: Wet your finger!)
- Make a prediction about how long your giant bubble will last. 10 seconds? 2 minutes? 1 hour?
- Can you make bubble "wands" with things you find around the house, such as a funnel, slotted spoon, or plastic berry basket?