

# 239 Bubbly Drink



## Materials

- orange
- water
- bicarbonate of soda
- glass
- sugar (optional)

Make your own bubbly fruit drink.

## STEPS

1. Squeeze the orange juice into the glass.
2. Add the same amount of water to the glass.
3. Stir in a teaspoon of bicarbonate of soda.
4. Take a sip to taste the bubbles! Add a little sugar to make it sweeter, if you like.



## Did You Know?

The bubbles are made from the reaction between the acid in the orange and the bicarbonate of soda. These bubbles are actually a gas, just like in soda.



# 240 Diving Raisins



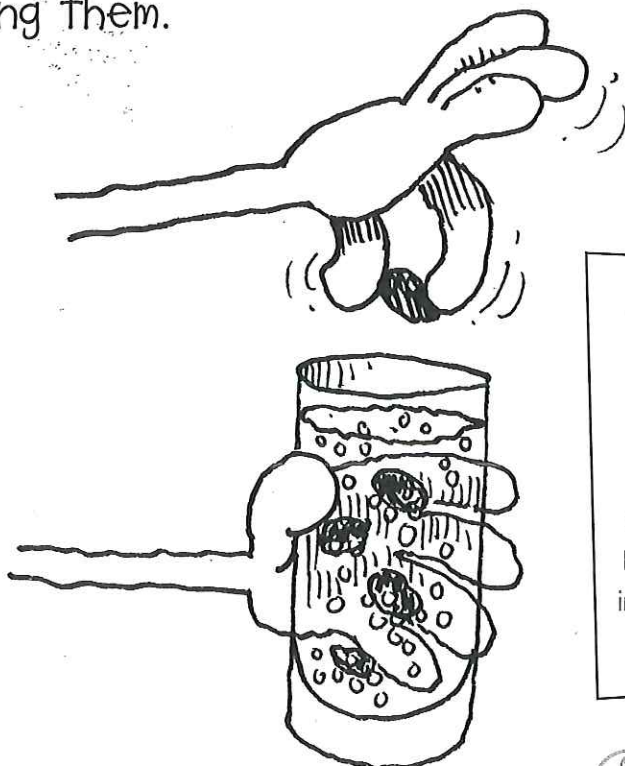
## Materials

- 10 raisins
- 1 tall glass
- 2 tablespoons of bicarbonate of soda
- white vinegar

Make raisins dive up and down without touching them.

## STEPS

1. Place the bicarbonate of soda into the glass.
2. Slowly pour the vinegar into the glass, taking care it does not overflow!
3. Drop the raisins into the glass, and watch them bounce up and down!



## Did You Know?

The bicarbonate of soda and vinegar mix together to make a gas called carbon dioxide. The bubbles of gas attach to the raisins and carry them up to the surface. At the surface the bubbles pop, which sends the raisin diving down to the bottom again. Does this experiment work in a glass of fizzy lemonade? The bubbles in soda are also carbon dioxide gas.

