Make Your Own Lemon Soda

**What to do:** Squeeze the juice from the lemon into the measuring cup. Add an equal amount of water then pour the mixture into the glass. Stir in the teaspoon of baking soda. Taste and add sugar if you like.

**What happens:** The liquid will be bubbly and taste like lemon soda.

**Why:** The bubbles are carbon dioxide gas formed when you combine the base (the baking soda) with the acid (the lemon juice). The bubbles in real soda are also created by carbon dioxide, added under pressure to water and a flavored sweetener.

**YOU NEED**
- lemon
- measuring cup
- large glass
- water
- 1 teaspoon of baking soda
- sugar, to taste