

## Grade 2 Week 10

### WHAT MAKES SODA - POP?

#### MATERIALS:

orange or grape juice  
baking soda  
water  
drinking glass  
measuring spoon

#### PROCEDURES:

1. Fill the glass half full of water.
2. Add the orange or grape juice to the water to fill the glass almost full.
3. Stir in 1/2 teaspoon of baking soda.
4. What happens? Record your observations.
5. Compare the taste of your new "soda" to just juice and water.

#### QUESTIONS:

1. What made your juice "bubble" like soda?
2. Can you tell why you feel like you have air in your stomach if you drink it too fast?
3. Now do you know what we mean when we say "carbonated"?

#### HOW IT WORKS:

When orange or grape juice and baking soda are combined, carbon dioxide gas is produced. The carbon dioxide gas makes the bubbles in the juice.