

Name: _____ Date: _____



Carbon Capture

Worksheet 2a

Capturing Carbon

You are going to carry out an investigation into carbon dioxide, by releasing it and capturing it in water.

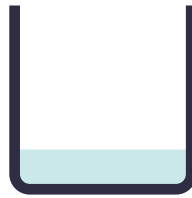
Be careful with lemon juice, it will sting if it gets into your eyes or any cuts.

Do not eat or drink anything used in the experiment.

1. Place three cups on a tray. Put two tablespoons of water into each cup.



Cup A

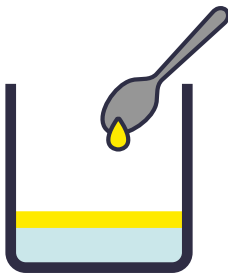


Cup B

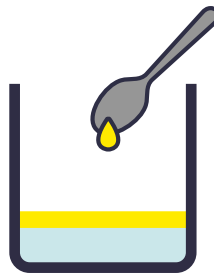


Cup C

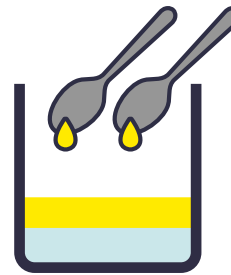
2. Into cup A, add one tablespoon of lemon juice.
Into cup B, add one tablespoon of lemon juice.
Into cup C, add two tablespoons of lemon juice.



Cup A

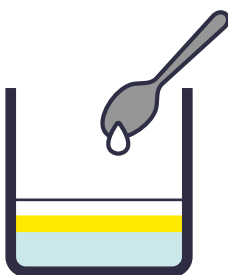


Cup B

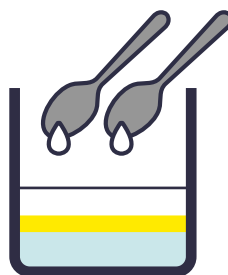


Cup C

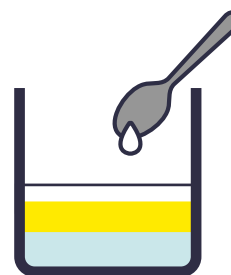
3. Into cup A, add one teaspoon of bicarbonate of soda.
Into cup B, add two teaspoons of bicarbonate of soda.
Into cup C, add one teaspoon of bicarbonate of soda.



Cup A



Cup B



Cup C



4. Describe what is happening in the cups.

5. After a few seconds, hold each cup to your ear.

What do you hear, and why do you think this is happening?

6. After a while, no sound can be heard from the cups.

Why do you think this is?

7. Some of the cups might still have leftover bicarbonate of soda.

What could you do to cause more of a reaction?

Try it out to see if you're correct.