

# Carbon Capture

Worksheet 2a | Answers



Learning Lab

## Capturing Carbon

4. Bubbles were given off when the bicarbonate of soda was added to the lemon juice and water. This shows a gas was created and released.
5. The sounds of bubbles popping can be heard, which shows that carbon dioxide gas is still being released. Also, the chemical reaction may still be happening.
6. All of the carbon dioxide gas that was created in the reaction has been released and escaped into the room.
7. More lemon juice would need to be added to get a reaction with the excess bicarbonate of soda.



## Designing Carbon Capture

The best method to use is to place some bicarbonate of soda in a balloon. Add water and lemon juice to the bottle.

Carefully place the balloon onto the neck of the bottle, without tipping in the bicarbonate of soda until the balloon has created a seal.

When the bicarbonate of soda is tipped into the bottle, the reaction begins and the balloon inflates with carbon dioxide.

