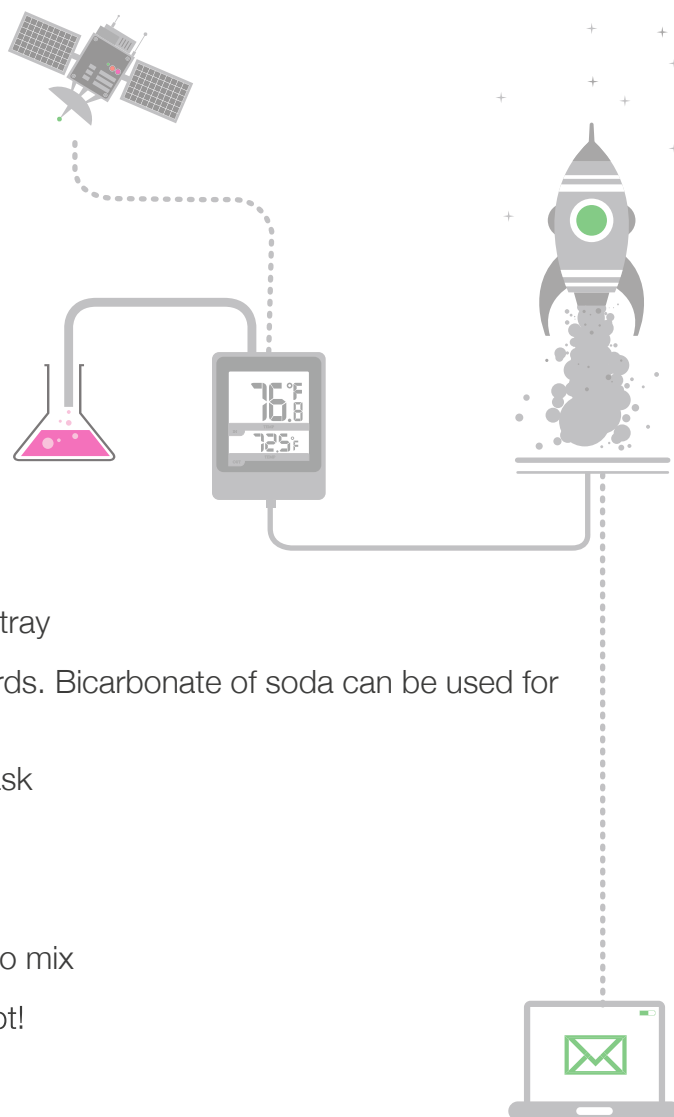


Equipment

- Conical flask (or empty 500ml pop bottle)
- Plastic Tray
- Vinegar
- Red Food Colouring
- Washing up Liquid
- Bicarbonate of Soda



Method

1. This demonstration is messy and should be done on a tray
2. All of the ingredients might be found in kitchen cupboards. Bicarbonate of soda can be used for making and also for cleaning
3. Add a few drops of red food colouring to the conical flask
4. Add a squirt of washing up liquid
5. Add some bicarbonate of soda powder
6. Add a small amount of warm water and swirl the flask to mix
7. Slowly pour in the vinegar and watch the 'volcano' erupt!

The Science

A chemical reaction (in this case acid-base) takes place between the bicarbonate of soda and the vinegar. This produces carbon dioxide (one gas that is produced by volcanoes, even though ours isn't a real one!). The washing up liquid makes the bubbles last better. The red food colouring adds colour to the 'lava'.

