

How much  $\text{CO}_2$  does a soda drink liberate and how does it relate to to the volume of soda used?

**Step 1:** Set up an experiment like the one on the image, so you can gather the  $\text{CO}_2$  in the test tube.

**Step 2:** Put the soda in the flask and measure how much gas it liberates onto the test tube.

**Step 3:** Gather the data (Soda volume, volume of liberated gas)

**Step 4:** Use a program like Geogebra to analyse the data and fit them to a mathematical function (is it a linear relation?)

