

Student experiment
(1st - 4th grade)

Make a volcano erupt

 Time: max. 15 min.

Safety:

Instruments:

- a large bowl
- a small plastic bottle
- a funnel

Chemicals:

- vinegar
- sodium bicarbonate
- sand and gravel
- red food coloring

Experiment:

- Mix the red food coloring into the vinegar. This will be your „red lava“ like in a real volcano.
- Fill the plastic bottle half full of sodium bicarbonate powder using the funnel.
- Place the bottle in the center of the bowl. Layer gravel, then sand, around the bottle to make a volcanic cone until only the bottle opening remains free.
- Pour a little vinegar into the bottle and observe.

Advice for the teacher:

Carbon dioxide bubbles are produced in the bottle, which press the red vinegar out like lava.