

KITCHEN TABLE TWISTER

Captain Catalyst Experiment (WITH ADULT SUPERVISION ONLY)

You will need:

- canola oil (or any vegetable oil)
- food colouring
- baking soda
- vinegar



Let's begin:

- Fill a plastic cup half-way with vegetable oil
- Drop 5 drops of blue food colouring and 5 drops of yellow food colouring into two different areas of the vegetable oil. What does this look like?
- Add a big spoonful of baking soda. Do not stir.
- Pour a little bit of vinegar, until a chemical reaction (the making of carbon dioxide gas) is visible.

What happens? What colour is the tornado?

MAKE SOME CABBAGE JUICE

You can also do this experiment with purple cabbage juice instead of food colouring. Can you guess what the difference will be?

Only adults should make cabbage juice. Take some purple cabbage, tear off some leaves and put them in a pot of boiling water to extract the purple pigment called anthocyanin. This pigment is an acid/base indicator:

- If poured into vinegar, it turns pinkish-red.
- If poured into water, it turns purplish.
- If poured into water and baking soda, the water turns bluish.

Experiment courtesy of Captain Catalyst (Steve Rosenstein)

