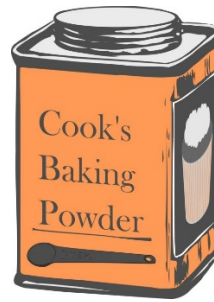


**Experimental procedure**

- i. Place one spatula of baking powder\* in a beaker.
- ii. Pour around 5 cm of oil on the baking powder.
- iii. Add 4 spatulas of vinegar on the oil's layer.
- iv. Wait and watch what happens.



**Your work:**

- 1) *Write your own glassware list.*
- 2) *Record your glassware list with your smartphone or a computer. Drop off your recording on itslearning.*

**My glassware list:**

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- 3) *Listen to your friend's recording. Compare and complete your list if necessary.*
- 4) *Suggest a common list with your team mate.*

**Our common glassware list:**

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- 5) *Thanks to it, prepare your bench.*

6) *Make the experiment.*

7) *Note your observations.*

My observations: I can see .....

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v. Please wash your bench and your glassware. Use the sink and some soap.

\* baking powder = levure chimique

\* layer = couche (synonyme : strate)

**Lava Lamp (part 2/2)**

**Information 1: Baking powder**  
Composition: calcium carbonate  $\text{Ca}^{2+}$ ,  $\text{CO}_3^{2-}$   
Calcium carbonate is basic.

**Information 4:**  
With an acidic solution, carbonate can be transformed into carbon dioxide.

- 1) *You and your friend have different clues. Share information with your friend (full sentences).*
- 2) *Then, together, explain your observations about the lava lamp: write down your ideas.*

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