

# Science Lab



# 2



## 2. Lava lamp

**Topic:** Densities

**Objective:** Students will learn about the effects of densities and functions of lava lamps.

**Vocabulary:** lava, density, effervescent, colourant

**Materials:**

- A plastic cup or glass bottle
- Oil
- Colourant or paint of any colour
- Effervescent tablets
- Water
- Flashlight

**Tip:**

- The higher the cup or glass bottle you use, the more beautiful the effect will be.

**Development:**

- **Read and look at the pictures.**

**Step 1.** Fill the cup or the glass bottle halfway with water - add the colouring of your preference.

**Step 2.** Fill the glass with oil – up to the top!

**Step 3.** Let it rest for some minutes. Put the flashlight under the cup or the glass bottle - for example, your phone's flashlight.

**Step 4.** Add the effervescent tablet – then observe.

Step 1.



Step 2.



Step 3.



Step 4.



Tell us...

Look, read and write the words on the lines.



1. This is a very hot substance that comes out of volcanos when they erupt.
2. This is a small container where you can serve water to drink.
3. This is something that you can use to see in the dark
4. This is something that takes away the transparency of things.
5. People use this to fry food.
6. This covers a basic need of people - we use it to wash, drink, shower, etc.
7. This object dissolves in water producing tiny bubbles.

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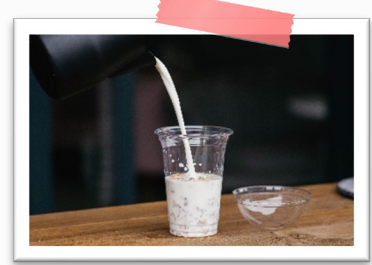
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a flashlight



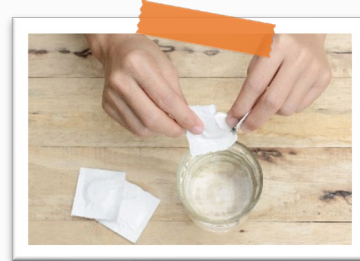
oil



a plastic glass



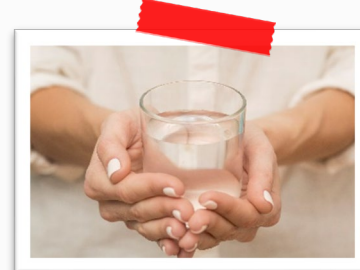
lava



effervescent tablets



colourant



water

Glue a picture of your project finished!

Lava lamp

Glue your  
picture here  
:)

1. What was your favourite part of the project? \_\_\_\_\_.

2. What, exactly, did you like the most?

\_\_\_\_\_.

3. Extra notes on what you observed during the project. \_\_\_\_\_

\_\_\_\_\_.

4. Can you see or apply the information from the project in real life? YES / NO

Explain: \_\_\_\_\_

\_\_\_\_\_.

5. Was it easy to get the materials for the project? YES / NO

Explain: \_\_\_\_\_

\_\_\_\_\_.

