



SuperYak's Adventures at Home

LAVA LAMPS!

Materials Needed:

- Clear plastic bottle (with smooth sides if possible)
- Water
- Cooking oil or baby oil
- Food coloring
- Alka seltzer tablets
- *Optional: a funnel to help pour the water and oil, or have an adult help*

SuperYak's Reminders!

- Be kind, be safe, and try your best!

Instructions

1. Take the cap off of the plastic bottle and fill it $\frac{1}{4}$ full with water
2. Slowly fill the bottle with vegetable oil until it is nearly full
3. Add several drops of food coloring
4. Wait for the food coloring to sink through the oil and then mix with the water
5. Break one alka seltzer tablet in half, and add both pieces into the bottle
6. Watch your lava lamp go!

Be sure to record your favorite part(s) of the activity in your SuperYak's Adventures at Home Journal! Parents/Guardians can submit photos to SuperYak's Adventures at Home Blog through CY's website.



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SuperYak's Extra Challenges

- Research the scientific principles of density and polarity, how does this lava lamp project demonstrate them? Why did the food coloring only mix with the water and not the oil?
- If you want your lava lamp to go again after it fizzes out, add another piece of alka seltzer tablet!

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