



Activity: Invisible Soda

These experiments can be fun family activities. Older children can help their younger siblings do a fun experiment and learn at the same time.



Learning Targets:

- I can learn about chemical changes by making predictions about what will happen during an experiment.

Materials Needed:

- Milk.
- A regular soda (500 ml)
- Adult supervision.

MILK
REGULAR SODA
ADULT SUPERVISION



Directions/Instruction:

1. Remove the label from the bottle. Snip an edge with the scissors and the label peels off – mostly.



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Literacy Activities

Week of June 1st – June 5th

2. Slowly open the bottle and slowly – again – pour in enough milk to raise the level of the soda pop so it's close to the top.
3. Replace the bottle cap and screw it on tightly. You can gently rotate the bottle to mix things inside a little but it's not essential.
4. Let the bottle sit undisturbed in a quiet place.
5. Keep track of what's going on inside the bottle, however. A photo every 15 minutes or a video will track things for data collection. Plan on a couple of hours anyway.
6. The longer you wait, the more distinct the differences you'll see. The upper three-quarters of the bottle ends up with a clear liquid in it and the bottom quarter is filled with a solid material.

<https://www.stevespanglerscience.com/lab/experiments/invisible-soda/>

Visuals/Examples:



Videos

These videos show step by step how to make the experiment :

- <https://youtu.be/Tp5zTBu-AP8>
- <https://youtu.be/5dGPpX0uOeM>

