

Magic Bouncy Rubber Egg

Materials you will need:

- A Sauce Pan
- Water
- White Vinegar
- An Egg



Steps:

1. Place the raw egg in a sauce pan and fill with water.



2. With adult supervision - bring the egg to a boil and cook for a further 10 minutes to make sure the egg has been cooked throughout.
3. Drain the boiled water from the pan and leave the egg to cool for a bit.
4. Gently place the hard-boiled egg in the glass jar.
5. Slowly pour in the vinegar until the egg is completely covered.



6. Screw the lid back on the jar tightly.



7. Keep checking your egg every day to see what changes are taking place.
8. Let the egg sit in the vinegar for at least one week.

9. After a week has passed; drain the vinegar from the jar. Rinse the egg under water and dry with a paper towel.

Take a close look at the photos below to see the bubbles that began to form all over the egg within minutes of pouring in the vinegar.



Day 1



Day 1



Day 1



Day 1



Day 1



Day 1



Day 1



Day 1



Day 1 - Real close-up of bubbles on egg.

Take a good look at the top level of the vinegar on the photo's below to see if you can see some of the egg shell floating.



Day 2



Day 2



Day 2



Day 2



Day 2



Day 2



Day 3



Day 3



Day 3

This flow of a liquid from one solution through a semi-permeable membrane and into another less concentrated solution is called *osmosis*.



Day 3



Day 3



Day 3



Day 3 - Topped up with more vinegar



Day 3



Day 3



Day 3



Day 4



Day 4



Day 4



Day 4



Day 4

What happened to the eggshell?

The vinegar (acid) dissolves the eggshell and leaves you with a rubbery egg. Try bouncing the egg from a short distance, do not drop from a high height.

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