

Science Experiments: Chemistry

Create A Naked Egg



Please don't try this experiment if you, or someone in your house, has egg or egg vapour allergies.

Materials:

- one egg
- a 500ml bottle of clear white vinegar
- one drinking glass

Experiment:

1. Remember, you may want to take pictures day by day of the egg and take notes!
2. Place the egg in a tall glass and fill the glass with white vinegar, covering the egg.
3. Leave the egg in the vinegar for a full 24 hours. Look closely, what changes can you see?
4. Carefully pour the old vinegar down the drain and cover the egg with fresh vinegar.
5. Check in every couple of hours (leaving the egg in the glass), what changes can you see?
6. After a day or two (up to a week if you have weaker vinegar), carefully take the egg out of the glass and carefully rinse the egg with water. What do you notice? How does the egg look? What does it feel like? How would you describe it?
7. NB: If it doesn't work the first time, change your vinegar and repeat with the same egg. You'll get there!
8. VERY carefully drop the egg into a table from about 5cm up. What does the egg do?
9. Things you could change to experiment further:
 - Try different concentrations of vinegar.
 - Do different types of eggs respond differently?
 - Try putting this experiment into the fridge. Does this slow or speed up the dissolving rate?

What can I do with the naked egg?

- Put the naked egg in a cup of water, see what happens.
- Putting the naked egg in a cup of really salty water, see what happens.
- Put the egg in a cup of water with food colouring. After a while break the egg open and see what has happened to the inside of the egg.

