



ENGINEERING DESIGN PROCESS

Disappearing Egg Shell



1. Title of Experiment

2. Hypothesis (How do you think you can remove an egg shell and still keep the egg?)

3. Draw a Picture of your Design (Sketch a design of your experimental setup.)

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4. Data Collection/Observations (Draw a picture of what you see forming on the outside of the egg after 24 hours).

5. Results (List each day and describe what the egg looks like on that day.)

6. Analysis/Answer Questions

On which day did you notice the biggest change in your egg?

Did you notice that your egg got a little bigger? This is because of osmosis - water moves in and out of the egg (there is water in the vinegar). Based on what happened to your egg, do you think water moved into the egg or out of the egg?

Shine a flashlight on your egg. What do you notice?