

Rainbow Rubber Eggs Experiment

Scientific Method

STEP 1: MAKE AN OBSERVATION

1. What observation did you make?

- A. I saw eggs and would like to have them every day for breakfast.
- B. I saw rainbow, bouncy eggs and wanted to make my own.
- C. I saw rubber fish and wanted to make my own.
- D. I saw the rainbow in the sky after it rained.

STEP 2: ASK A QUESTION

2. What question did you ask?

- A. What will happen if I put an egg in vinegar for 2 - 3 days?
- B. What will happen if I put an egg in water for 2 - 3 days?
- C. What will happen if I put an egg in my fridge for 2 - 3 days?
- D. What will happen if I put an egg in my pocket for 2 - 3 days?

STEP 3: MAKE A HYPOTHESIS

This is where you guess what will happen during your experiment.

3. What is your hypothesis? What do you think will happen?

- A. I think the egg will stay the same color but be cold.
- B. I think nothing will change.
- C. I think the egg will change color and become like rubber.
- D. I think the egg will go soft and break very easily.

STEP 4: DO YOUR EXPERIMENT

Before you do your experiment, you need to list your materials.

4. Write a list of ALL the materials you used in your experiment.

STEP 5: DRAW CONCLUSIONS

5. After your experiment, what did you see and learn?

- A. I learnt that vinegar makes an egg very soft and that food coloring colors the inside of the egg.
- B. I learnt that vinegar makes an egg hard and that food coloring does nothing to the egg.
- C. I learnt that vinegar makes an egg rubbery and that food coloring colors the whole egg.
- D. I learnt that vinegar makes an egg hard and that food coloring does not color the inside of the egg.

STEP 6: REPORT YOUR RESULTS

6. How can you share your results with others? Select all the correct answers.

- A. I can post pictures or this worksheet on LMS.
- B. I can make a PowerPoint and share it with my teacher.
- C. I can post a video/pictures or this worksheet on Telegram.
- D. I can tell my teacher and friends about it.

Now try the same experiment but use a different liquid. You can try apple juice, a fizzy drink like coke or pepsi, lemon juice, tomato sauce or even plain water. This time you will not know the answers to the questions in the scientific method. Be brave and be a true scientist!

