

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. If you have a different observation, type it here.

I saw _____

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 coke for 2 - 3 days?
- C. What will happen if I put an egg in lemon juice for 2 - 3 days?
- D. If you asked a different question, type it here.

What will happen if _____

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 colour but become like rubber.
- B. I think nothing will change.
- C. I think the egg will change colour and become like rubber.
- D. I think the egg will go soft and break very easily.
- E. If you think something else, type it here.

I think _____

STEP 4: DO YOUR EXPERIMENT

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

4. Tick all the materials you used in your experiment.

- | | |
|-------------------|-----------------------|
| A. Vinegar | F. Fizzy drink |
| B. Water | G. Lemon juice |
| C. Food colouring | H. Fruit Juice |
| D. Eggs | I. Clear jar/cup |
| E. Ketchup | J. Other (type below) |

Materials not on the list: _____

STEP 5: DRAW CONCLUSIONS

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

- A. I learnt that vinegar makes an egg like soft and that food coloring colors the whole 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 rubbery and that food coloring does not color the inside of the egg.
- E. Write your conclusion if you did a different experiment.

I learnt that _____ _____

STEP 6: REPORT YOUR RESULTS

6. How can you share your results with others?

- 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.