

Making Butter in a Jar

Scientific Method

STEP 1: MAKE AN OBSERVATION

1. What observation did you make?

- A. Many people like to eat hot toast with butter.
- B. It is possible to make butter with milk and a glass jar.
- C. It is possible to make butter with thick cream and a glass jar.
- D. It is possible to make ice-cream with water and milk.

STEP 2: ASK A QUESTION

2. What question did you ask?

- A. What will happen if I drink milk in a jar?
- B. What will happen if my mum bakes a cake with cream?
- C. What will happen if I put thick cream in a jar?
- D. What will happen if I shake thick cream in a jar?

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 cream will melt and become thin like water.
- B. I think the cream will become thicker the more I shake the jar.
- C. I think the cream will become thinner the more I shake the jar.
- D. I think the cream will change color the more I shake the jar.

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 shaking cream in a glass jar is a waste of time.
- B. I learnt that shaking cream in a glass jar makes butter.
- C. I learnt that shaking cream in a glass jar makes creamy coffee.
- D. I learnt that shaking cream in a glass jar only makes buttermilk .

STEP 6: REPORT YOUR RESULTS

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

correct answers.

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

Now try the same experiment but make your butter yummy by adding different ingredients to it. Then decide which one is your favourite. Here are a few suggestions: honey for a sweet butter, herbs for a herby butter, chili powder for a spicy butter or crushed peanuts for peanut butter. Can you think of more ideas to make butter more interesting?



**Remember to give your feedback – just
click on the feedback box.**