

SCIENCE EXPERIMENT



MAGIC MILK



Watch
colors move
like magic!



Name : _____

Class : _____

Date : _____

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MAGIC MILK

COLORFUL SCIENCE IN MOTION!



WHAT YOU NEED:

- Whole milk
- Food coloring
- Dish soap
- Cotton buds (Q-tips)
- Shallow plate or dish



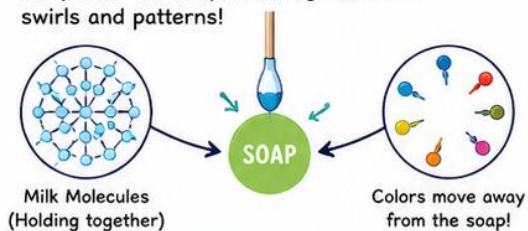
HOW TO DO IT:

- 1 Pour milk into the plate to cover the bottom.
- 2 Add drops of different food coloring in various spots.
- 3 Dip a cotton bud into dish soap.
- 4 Touch the tip of the cotton bud to the milk near the colorful drops.
- 5 Watch the colors burst into motion and swirl around the plate!



WHAT'S HAPPENING?

Milk contains fat molecules. Dish soap breaks the surface tension of the milk and interacts with the fat. This causes the colors to move away from the soap, creating beautiful swirls and patterns!



TIPS:

- ✓ Use whole milk for the best results.
- ✓ Try different color combinations.
- ✓ Don't stir—just touch and watch the magic!



SAFETY FIRST!

- This experiment uses common household items but should still be supervised by an adult.
- Do not drink the milk.
- Wash hands after the experiment.





SCIENCE EXPERIMENT

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PREDICTION SHEET



Predict what will happen!



Name : _____ Class : _____ Date : _____



A prediction is a smart guess about what you think will happen in the experiment.
Use what you already know and your imagination!

1 What do you think will happen when food coloring is added to the milk?



2 What do you think will happen when dish soap is touched to the milk with a cotton swab?



3 Draw what you think will happen in the milk after the dish soap is added.

4 Why do you think this will happen? Write your reason.



Remember:

There are no right or wrong predictions!
Let's find out together through the experiment.

Think, Predict, Observe, Discover!



Name: _____

Date: _____



In this experiment, we discover how colours move and swirl in milk when soap touches the surface!



MATERIALS USED

- _____
- _____
- _____
- _____
- _____
- _____



OBSERVATION

What did you see happen?



STEPS FOLLOWED

- 1 _____
- 2 _____
- 3 _____
- 4 _____
- 5 _____

HYPOTHESIS

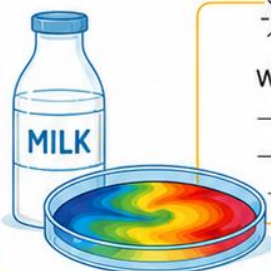
What do you think will happen?

DRAW WHAT HAPPENED



CONCLUSION

What did you learn from this experiment?



Name: _____

Date: _____

RESULT SHEET
SCIENCE EXPERIMENT
MAGIC MILK

We performed the "Magic Milk" experiment and observed amazing results when soap touched the milk with colours!



EXPERIMENT OVERVIEW

Experiment Name : Magic Milk

Materials Used : _____

Date Performed : _____



RESULTS / OBSERVATIONS



WHAT HAPPENED?



WHAT DID WE LEARN?



EXPERIMENT SUCCESS!

How did the experiment turn out?



Excellent



Very Good



Good



Fair



Needs Improvement



Additional Comments (Optional)



Name: _____

Date: _____



REFLECTION SHEET

SCIENCE EXPERIMENT

MAGIC MILK



Think about what you did, what you saw, and what you learned during the Magic Milk experiment.



WHAT DID I DO?

Write the steps you followed in your own words.



WHAT DID I OBSERVE?

Describe what you saw happening.



WHAT SURPRISED ME THE MOST?

What part of the experiment surprised you?



WHAT DID I LEARN?

What new things did you learn from this experiment?



WHAT DO I WONDER NOW?

What questions do you have after doing this experiment?



IF I DID IT AGAIN...

What would you do the same?

What would you do differently?



HOW I FELT

How did you feel before, during, and after the experiment? (Circle or write)

BEFORE THE EXPERIMENT



I felt _____

DURING THE EXPERIMENT



I felt _____

AFTER THE EXPERIMENT



I felt _____



MY FINAL THOUGHTS

Write anything else you would like to share about this experiment.
