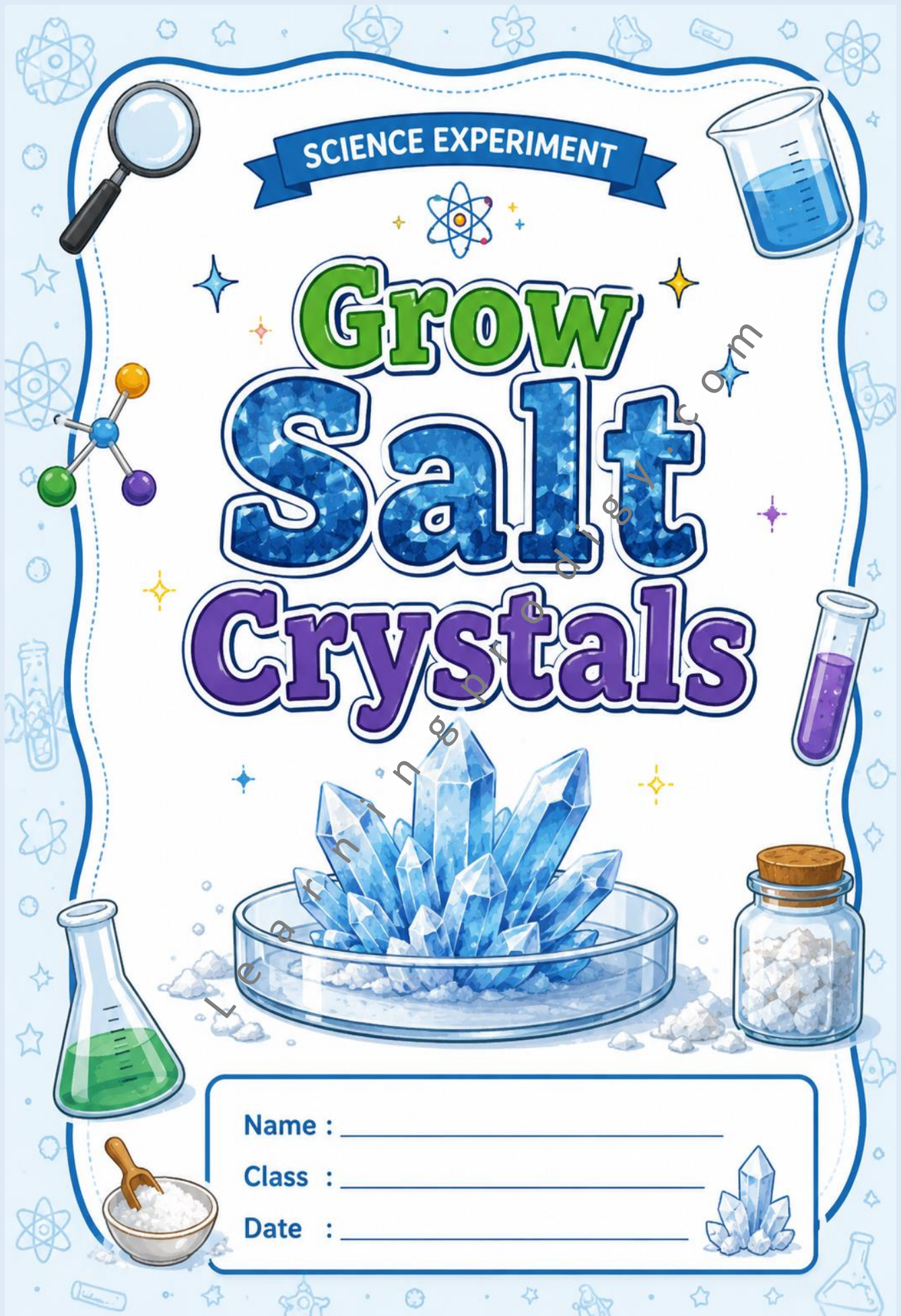




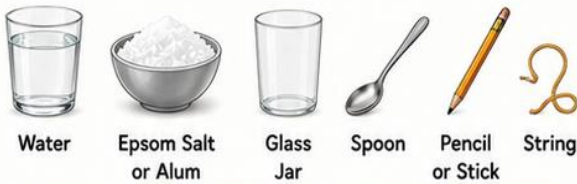
S.NO.	CONTENTS	PAGE NO.
1	EXPERIMENT	3
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4	OBSERVATION SHEET <i>(Complete while performing the experiment.)</i>	5
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CRYSTAL GROWING

Watch tiny crystals grow into beautiful shapes!



MATERIALS YOU NEED



Optional: Food coloring, Small container or lid

THE SCIENCE BEHIND IT!

When hot water holds more salt (or alum) than it can normally hold, it becomes a saturated solution. As the water cools and evaporates, the extra salt joins together to form beautiful crystals!



STEP-BY-STEP INSTRUCTIONS

- 1** Boil 1 cup of water.



- 2** Add about 3-4 spoons of Epsom salt (or alum) and stir until it dissolves.



- 3** Keep adding salt and stirring until no more dissolves. (Extra salt at the bottom is okay!)



- 4** Pour the hot solution into a clean jar.



- 5** Tie a string to a pencil or stick. Lower the string into the solution. (Do not let it touch the bottom.)



- 6** Place the jar in a quiet place. Wait and watch your crystals grow! This may take several days.



Big crystals take time and patience!

TIPS FOR SUCCESS

- ✓ Use hot water for more salt to dissolve.
- ✓ Do not disturb the jar while crystals are growing.
- ✓ Keep the string from touching the sides or bottom.
- ✓ The longer you wait, the bigger the crystals!



TRY THIS!

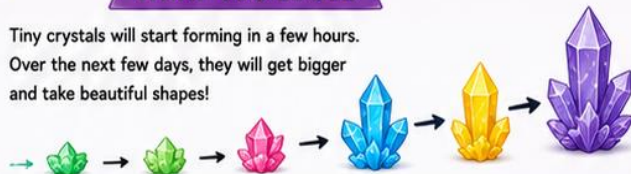
Experiment with different things:

- Use food coloring to grow colorful crystals.
- Try different salts like table salt, sugar, or borax (with adult help).
- Grow crystals on shells, pebbles, or small toys!



WHAT YOU'LL SEE

Tiny crystals will start forming in a few hours. Over the next few days, they will get bigger and take beautiful shapes!



SAFETY FIRST

- ⚠ Ask an adult for help when boiling water.
- ⚠ Do not touch hot water.
- ⚠ Do not eat any of the materials.



DID YOU KNOW?

Crystals are all around us! Salt, sugar, snowflakes, and even diamonds are natural crystals!



SCIENCE IS AMAZING WHEN YOU EXPLORE, EXPERIMENT & DISCOVER!



SCIENCE EXPERIMENT

Grow Salt Crystals

PREDICTION PAGE

A prediction is a smart guess about what you think will happen in the experiment. Think about it and write your ideas below!

Name : _____ Class : _____ Date : _____

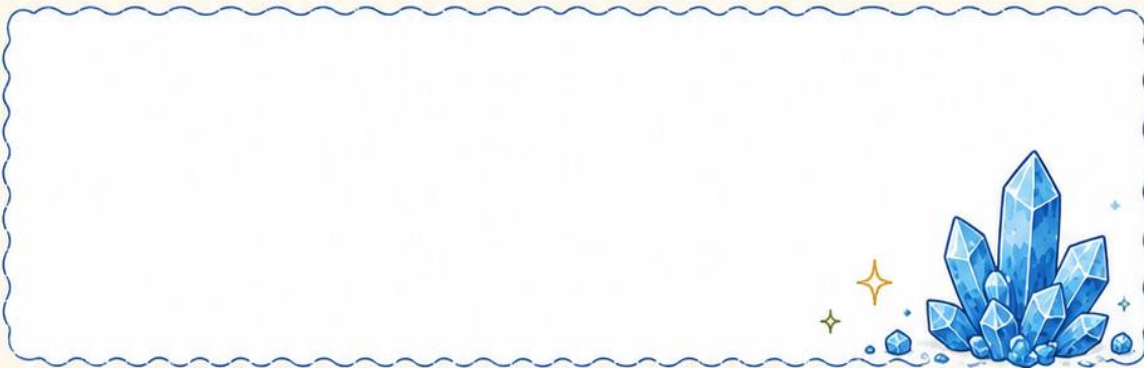
?

1. What do you think will happen?

2. What will the salt crystals look like?



3. Draw a picture of what you think your salt crystals will look like.



4. Why do you think this will happen?

Remember:

There are no wrong predictions! Let's see what really happens!





SCIENCE EXPERIMENT

Grow Salt Crystals



OBSERVATION SHEET

Name : _____ Class : _____ Date : _____

Observe your salt crystals each day. Draw what you see and write about any changes.

DAY / DATE 	DRAW WHAT YOU SEE (Sketch your crystals) 	OBSERVATIONS  (Size, shape, color, texture, changes)	MEASUREMENTS (Approx. size of largest crystal) 
Day 1 / /			_____ mm
Day 2 / /			_____ mm
Day 3 / /			_____ mm
Day 4 / /			_____ mm
Day 5 / /			_____ mm
Day 6 / /			_____ mm
Day 7 / /			

FINAL OBSERVATION & REFLECTION ✨

What did you notice about your salt crystals?

What was the most interesting change you saw?

What did you learn from this experiment?





SCIENCE EXPERIMENT

Grow Salt Crystals

RESULT SHEET



Name : _____ Class : _____ Date : _____

★ 1. What was the purpose of this experiment?



✓ 2. What happened?

Describe what you observed during the experiment.

3. Final Appearance of Your Salt Crystals

Draw your salt crystals at the end of the experiment.



5. What did you learn from this experiment?

Key Learnings

• _____

• _____

• _____

• _____



6. What factors do you think affected your crystals?

- Amount of salt used : _____
- Temperature : _____
- Time : _____
- Other factors : _____



7. Conclusion

Write a short conclusion about the experiment.



Great Work, Scientist!

I am proud of...

- ☐ My Observation ☐ My Patience ☐ My Results ☐ My Learning ☐ Other: _____





SCIENCE EXPERIMENT

Grow Salt Crystals

REFLECTION SHEET



Name : _____ Class : _____ Date : _____



Think about your experiment!

Take a moment to look back at your work and think about what you learned.
Answer the questions below as honestly as you can.



1 What did I do?

Briefly describe the steps you followed.



2 What did I observe?

What changes did you see in your salt crystals during the experiment?



3 What did I learn?

What new things did you learn from this experiment?



4 What was challenging?

What part of the experiment was difficult for you?
How did you overcome it?



5 What would I do differently?

If you did this experiment again, what would you do differently and why?



6 My Favorite Part

What was your favorite part of this experiment?
Why did you enjoy it?



7 Real Life Connection

Where do you think salt crystals are used in real life? Give examples.



8 Overall, how do you feel about this experiment?

Circle one and write why.



Loved it!



Liked it



It was OK



Didn't like it

Why?



"Science is all about curiosity, discovery and learning from our experiences!"
Great work, Scientist!

