

SCIENCE EXPERIMENT



Candle under a Glass



Name : _____

Class : _____

Date : _____

S.NO.	CONTENTS	PAGE NO.
1	EXPERIMENT	3
3	PREDICTION SHEET <i>(Complete before starting the experiment.)</i>	4
4	OBSERVATION SHEET <i>(Complete while performing the experiment.)</i>	5
5	RESULT SHEET <i>(Complete after the experiment.)</i>	6
6	REFLECTION SHEET <i>(Complete after discussing the results.)</i>	7



CANDLE UNDER A GLASS

A FUN SCIENCE EXPERIMENT!

Light a candle and cover it with a glass. Watch what happens! This simple experiment shows how air is all around us and is needed for a fire to burn.



YOU WILL NEED:



1 small candle
(tealight or short
candle)



1 clear glass
(big enough to
cover the candle)



A plate or tray



Water

LET'S DO IT!

- 1 Place the candle in the center of a plate or tray.
- 2 Pour a little water into the plate. The water level should be about 1 cm deep.
- 3 Light the candle.
- 4 Quickly and carefully place the glass upside down over the candle.
- 5 Watch closely and see what happens!



SAFETY FIRST!

- Always ask an adult for help.
- Be careful when handling fire and hot wax.
- Do this experiment on a stable surface.
- Never leave a burning candle unattended.



WHAT'S HAPPENING?

The candle needs air (oxygen) to burn. When the glass is placed over the candle, the air inside gets used up. As the air cools, water rises into the glass to take its place. When the air is gone, the flame goes out!



WHAT DO YOU OBSERVE?

- The flame gets smaller and eventually goes out.
- Water rises inside the glass.
- Tiny droplets may form on the inside of the glass.



TRY THIS!



Try the experiment using more or less water in the plate. Does it change how much water rises inside the glass?



Science is all around you!



EXPLORE. OBSERVE. LEARN. HAVE FUN WITH SCIENCE!



SCIENCE EXPERIMENT

Candle under a Glass



PREDICTION SHEET

Name : _____ Class : _____ Date : _____



A prediction is a smart guess about what you think will happen in the experiment.
Answer the questions below based on what you already know and think.

- 1 What do you think will happen to the candle when it is covered with the glass?



- 2 Will the candle go out? Why or why not? Explain your answer.



- 3 Draw a picture of what you think will happen in this experiment.



- 4 Why do you think this will happen? What do you already know that makes you think so?





Remember:

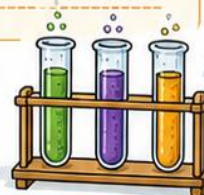
There are no wrong predictions!
Let's find out together through the experiment.



I am excited to find out!



I am ready to be a scientist!





SCIENCE EXPERIMENT



Candle under a Glass



Observe
Carefully
Record
Clearly!

OBSERVATION SHEET

Name : _____ Class : _____ Date : _____

Step	What Did You Observe?	Time (seconds)	Sketch
1 Before covering the candle	_____	_____	_____
2 Just after covering	_____	_____	_____
3 After 10 seconds	_____	_____	_____
4 Just before the flame went out	_____	_____	_____
5 After the candle went out	_____	_____	_____

CHANGES I NOTICED

Flame became: _____

Smoke observed: _____

Water level changed? _____

Glass appearance: _____

Other observations: _____

DRAW WHAT YOU SAW




FINAL OBSERVATION

How long did the candle burn under the glass? _____

What happened to the flame? _____

What happened inside the glass? _____



Scientist's Note: Observe carefully. Good scientists record exactly what they see!





SCIENCE EXPERIMENT

Candle under a Glass

RESULT SHEET



Great
Experiment!
Great
Scientist!



Name : _____ Class : _____ Date : _____

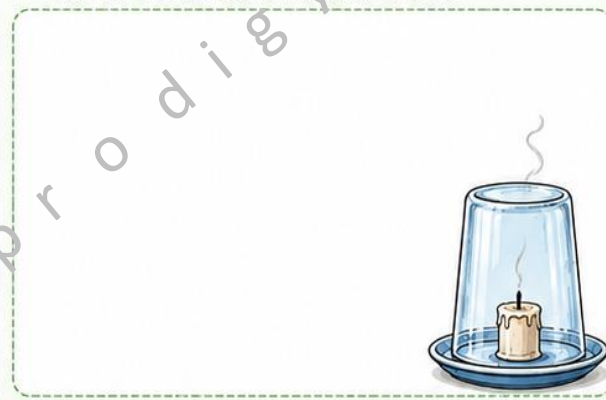
1 What Happened?



Write a short summary of what happened in the experiment.

2 Final Observation

Draw the final scene after the candle went out.



3 Results Table

Complete the table with your final results.

Item	My Result / Observation
How long did the candle burn under the glass?	_____ seconds
What happened to the water level inside the glass?	_____
What happened to the flame?	_____
Was there any smoke?	_____
How did the inside of the glass look at the end?	_____

4 What Does This Mean?



Explain what caused the candle to go out.

5 Conclusion



Write your conclusion in one or two sentences.

6 What Did I Learn?

Write the most important thing you learned from this experiment.



7 Real Life Connection

Where do you think this experiment is useful in real life?





Science is all about asking questions,
observing carefully and discovering the truth!



I enjoyed this experiment! 😊





SCIENCE EXPERIMENT

Candle under a Glass

REFLECTION SHEET



Think about
what you did,
what you learned
and how you
felt!



Name : _____ Class : _____ Date : _____

- 1 What did you enjoy the most about this experiment?



- 2 What was the most surprising thing you observed?



- 3 What did you learn from this experiment?



- 4 What was challenging about this experiment?



- 5 If you could do this experiment again, what would you do differently? Why?



- 6 How did this experiment help you understand science better?



- 7 What questions do you still have after doing this experiment?



- 8 Overall, how do you feel about this experiment?

Circle one and tell why.



Loved it!



Liked it



It was OK



Didn't like it



Great scientists observe carefully, think deeply,
and keep asking questions!



Well done!

