

FROZEN

STATES OF MATTER TEACHING PACK



Name: _____ Date: _____

STATES OF MATTER SORTING (FROZEN EDITION)

Elsa can change water into many forms! Sort each example below into the correct state of matter.

SORT THE EXAMPLES

Write each item in the correct column.

- Ice palace walls - Melted snow puddle - Breath seen in cold air - Snowflakes
- Ocean water - Fog in the mountains - Icicles - Raindrops

SOLID	LIQUID	GAS



“ELSA’S TEMPERATURE CHALLENGE”

Elsa’s magic works because temperature changes cause water to change state.
Match the change of state with the correct description.

- 1. MELTING
- 2. FREEZING
- 3. EVAPORATION
- 4. CONDENSATION

DESCRIPTION	CHANGE OF STATE
Liquid turns in solid	
Solid turns in liquid	
Liquid turns into gas	
Gas turns into liquid	

SKETCH IT!

Draw a small picture of each change happening in the Frozen world.

MELTING	FREEZING
EVAPORATION	CONDENSATION

SCIENCE LAB SHEET – “LET IT GO” ICE EXPERIMENT

QUESTION:

How does temperature affect how ice melts?

MATERIALS:

- Ice cubes
- Two bowls
- Warm water
- Room temperature water

PROCEDURE:

1. Place one ice cube in each bowl.
2. Pour warm water into one bowl.
3. Pour room temperature water into the other.
4. Observe what happens over time.

HYPOTHESIS:

(What do you think will happen?):

OBSERVATION NOTES:

- After 1 minute: _____
- After 5 minutes: _____
- After 10 minutes: _____

CONCLUSION:

What did you learn about heat and melting?
