

Melting Snow & Ice Experiment

Activity Guide, Designed for 2nd Grade



Helen Thompson School in
West Gardiner, ME

ACTIVITY SUMMARY

In this activity, students will conduct an experiment in order to find which solid melts the fastest: snow or ice.

GRADE LEVEL STANDARDS

This activity can be incorporated into a unit of study that explores the Next Generation Science Standards' Disciplinary Core Idea for 2nd Grade: Structure and Properties of Matter.

QUESTION

Which will melt faster, a jar full of snow or a jar full of ice?

MATERIALS

- Snow
- Ice
- Two jars
- Labels for jars
- Lab report pages (included)



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|--|--|
| Name of Scientist: _____ Date: _____ Winter Kids Lab Report  Q: Which will melt faster, a jar full of snow or a jar full of ice? | Name of Scientist: _____ Date: _____ Winter Kids Lab Report  Q: Which will melt faster, a jar full of snow or a jar full of ice? |
| Hypothesis: _____ _____ _____ | Diagram: _____ _____ _____ |
| Procedure: _____ _____ _____ | |
| Conclusion: _____ _____ _____ | |

CONTINUED...

PROCEDURE

1. Fill two jars of similar size, one with snow and one with ice cubes or ice chunks from outside.
2. Have students predict which jar's contents will melt faster.
3. Leave the jars in view throughout the day so that students can watch the melting action.
4. You can incorporate some procedural writing with this activity by guiding students with writing a lab report of the experiment. Sections of the lab report could include a hypothesis, the procedures, a diagram, and a conclusion. (Lab report pages are included with this guide.)
5. Once one of the jars has completely melted, have a class discussion where students can share their thinking about why one substance melted faster than the other.
6. An additional topic which can be discussed is why one jar ended up with more water than the other. Even though this may not have been the purpose of the experiment, it lends itself to considering the water content of both snow and ice.



Find more activities for your classroom or for learning at home in our WinterKids GOAL Binder! Purchase a copy here: <https://winterkids.org/product/winterkids-guide-to-active-outdoor-learning-goal/>

Name of Scientist: _____

Date: _____

WinterKIDS Lab Report



Q: Which will melt faster,
a jar full of snow or a jar full of ice?

Hypothesis: _____

Procedure: _____

Conclusion: _____

Name of Scientist: _____

Date: _____

WinterKIDS Lab Report



Q: Which will melt faster,
a jar full of snow or a jar full of ice?

Diagram: