



Observing the Effect of Salt on Ice Melting Rate



QUESTION

How does salt affect the rate at which ice melts?

HYPOTHESIS

I think _____
because _____.



MATERIALS

- 2 ice cubes (same size)
- Table salt
- 2 shallow dishes or plates
- Measuring spoon (1 teaspoon)
- Timer or clock
- Paper towels (optional)
- Notebook and pencil



PROCEDURE

1. Place one ice cube in each shallow dish.
2. Do NOT add salt to the dish on the left. This is your control (no salt).
3. Sprinkle 1 teaspoon of salt evenly around (not on top of) the ice cube in the dish on the right.
4. Start the timer.
5. Observe both ice cubes. Every 1 minute, record your observations in the data table below.
6. Continue until both ice cubes have completely melted.
7. Record the total time for each ice cube to melt.

DATA TABLE

Time (minutes)	Ice with NO Salt What do you observe?	Ice with Salt What do you observe?	Which one has less ice? (Circle One) No Salt / Salt
0 (start)			
1			
2			
3			
4			
5			
6+			
Total Time to Melt (minutes)	_____ minutes	_____ minutes	

CONCLUSION

1. What happened to the ice with salt compared to the ice with no salt?

2. Why do you think salt made the ice melt faster?

3. One real-life example where salt is used to melt ice:

THINK MORE!

What do you think would happen if you used more salt? Why?

