

Name: _____

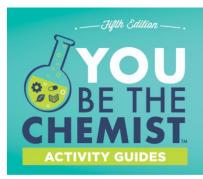
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Melting Ice with Salt

Section: Properties of Matter; Topic: States of Matter

Date: _____

w	Question n what you'll be learning today! What do you want to understand?
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	1. Fill 2 clear cups halfway with equal amounts of ice
	2. Add 1 tablespoon of salt to one cup, but do not add any salt to the other.
	3. Observe the two cups every five minutes for 30 minutes. Observe how much water is collecting at the bottom of4. Measure the depth of the water in each cup using a metric ruler.
	4. Intersure the depth of the water in each cup using a methic ruler.
	tions, Data Collection & Analysis
ν	n your observations below.
	Decease and record the temperatures at which never water changes states from liquid to solid (freezing noint)
ŀ	Research and record the temperatures at which pure water changes states from liquid to solid (freezing point).
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ŀ	Record your observations after 5 minutes of when salt is added to the cup. Does the ice in each cup look different? What changes are happening? What does the salt do to the ice?



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3. Use the table below to measure and record the amount of collected in each cup.

Time	Amount of Water (cm) in the Cup of Ice	Amount of Water (cm) in the Cup of Ice and Salt
5 minutes		
10 minutes		
15 minutes		
20 minutes		
25 minutes		
30 minutes		

Does the ic	e melt faster	n the regular	cup or in the	cup with salt	:? Why?	
What is yo	ur control in t	nis experimer	nt? Explain.			
What are s	ome example	s of how salt (can be used ii	n freezing ten	nperatures?	
Salt is also	placed in wat	er when wate	er is boiled at	high altitudes	s. Why?	