## Science Packet 1



Name:
Date:
Teacher:

Challenge:	Ch	all	en	ge	
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Can you "fish" the ice out of the cup using the string? How will salt change the ice in the cup? Write down your prediction.

### Materials:

- 1, Cup
- 2. Water
- 3. lce
- 4. Salt
- 5. String

#### Directions:

- 1. Check and make sure you have all your materials.
- 2. Fill a cup with water and three ice cubes.
- 3. Place the string in the water across the top of the ice cubes. Leave the string sitting on top of the ice cubes.
- 4. Sprinkle some salt into the cup across the ice cubes and string.
- 5. Wait one minute by counting to 60.
- 6. Slowly pull the string out. Some people are able to "fish" the ice cubes out with the string. If this didn't work for you, make a change and try again. Try using more salt in Step 4 or counting to a higher number in Step 5.

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periment	and why		

### Science Information:

The temperature of 32 degree Fahrenheit (°F) is the freezing point of water. When the temperature is 32°F or colder, water freezes and becomes ice. When the temperature is 32°F or warmer, ice melts and becomes water. An ice cube is about 32°F. When salt is sprinkled on ice, it changes its freezing point to temperature colder than 32°F. This causes the ice to melt.

## Science Packet 2

















A

**D**ay

of

SnoW!

\*Fill in the lines with descriptive words. Use the words in parenthesis to help you write a sensory word. A metaphor is when you compare one thing to another. \*

Today the weatherman said chance of snow, but how do I know?

wake to find it cold as	(touch-metaphor)
Patiently waiting until I feel the first	(touch
While walking home I stop to hear	(sound)
Then I saw the	(sight)
As it floated to my outstretched tongue l	thought, "This tastes like !" (taste)

How odd it seems to be. It took condensation to make a cloud that brought this wet, tasty precipitation to me.

Oh please, oh please, sun in the sky, hide for a while so this treat will collect while I wait inside.

i cannot build a wonderful snowman with melting heat. But with evaporation, soon after there will be condensation. Then, once again, wonderful snow we may meet.





# Science Packet 3

Name	•			
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क्यू जिन्द	Nature	e in	Winter	
	Sink	Or.		

	·	
Winter Object	<b>Prediction</b> CIRCLE YOUR ANSWER	Result CIRCLE YOUR ANSWER
	sink / float	sink / float
	sink / float	sink / float
	sink / float	sink / float
	sink / float	sink / float

Put objects in water to see if they Float,

>	<u>Directions</u> : Write a word from the word bank on each line below.  Choose the word that best completes each sentence.
W	ORD BANK:cold,crystals,freezes,evaporates, * *
	clouds,gas,melt,snowflake,cycle,water*
	**
}	How Do Snowflakes Form?
	Have you ever wondered how snowflakes form? It all starts when
¶ wo	ater from the earth's surface 1), or turns from a
liq	juid to a gas. This 2), or vapor, condenses into
tir	ny droplets of water. Cold air 3) these water
dr	roplets and turns them into ice crystals. Water vapor continues to
CC	ollect on the ice crystals making them larger and heavier.
Ę E	ventually, the ice crystals fall from the sky leaving the
* 4	they once helped form. As the ice crystals fall, **
* ti	ney pick up more 5) vapor and continue to get
k	arger. Sometimes ice crystals come into contact with warmer air as
\\	hey fall closer to the earth. The warm air causes the crystals to
•	a little. This melting acts like glue, making it
* 6	easier for ice 7) to stick together and form a
	3) Once on the ground, snowflakes will stay
	frozen only if the temperature is 9)enough.
<b>*</b>	When the snow melts and becomes water, the
1.5	10)begins all over again.

ト\*ハイ\*ハイ\*ハイ\* Packet Science How Do Snowflakes Form? Have you ever wondered how snowflakes form? It all starts when water from the earth's surface evaporates, or turns from a liquid to a gas. This gas, or vapor, condenses into tiny droplets of water. Cold air freezes these water droplets and turns them into ice crystals. Water vapor continues to collect on the ice crystals making them larger and heavier. Eventually, the ice crystals fall from the sky leaving the clouds they once helped form. As the ice crystals fall, they pick up more water vapor and continue to get larger. Sometimes ice crystals come into contact with warmer air as they fall closer to the earth. The warm air causes the crystals to melt a little. This melting acts like glue, making it easier for ice crystals to stick together and form a snowflake. Once on the ground, snowflakes will stay frozen only if the temperature is cold enough. When the snow melts and becomes water, the cycle begins all over again.

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\*

Lav the circles out	read the selection. Cut ou in the correct sequence. F	Paste the circles	d
onto the "Snowflak	Timeline" in the correct of the correct of the correct place on	order. The first and	8
. TOMAK MENNA proof thinks			ğ
ice	crystals • ice	crystals	3
i co	me into pi	ick up	2
l to wo		vapor	ð
	****	****	3
And the same was much assessment and the same and the sam			2
* ice crystals * stick	turns the water	ice crystals	18
together and form a	droplets into ice	fall from the sky	7
snowflake	crystals	1	12
	:	1	9
vapor condenses	the crystals	water vapor	6
into tiny droplets of	melt a	collects on the ice	
water		crystals	19
	i !		_  8

Snowflake Timeline water evaporates land on the ground, melt into water, and the cycle begins all over again

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