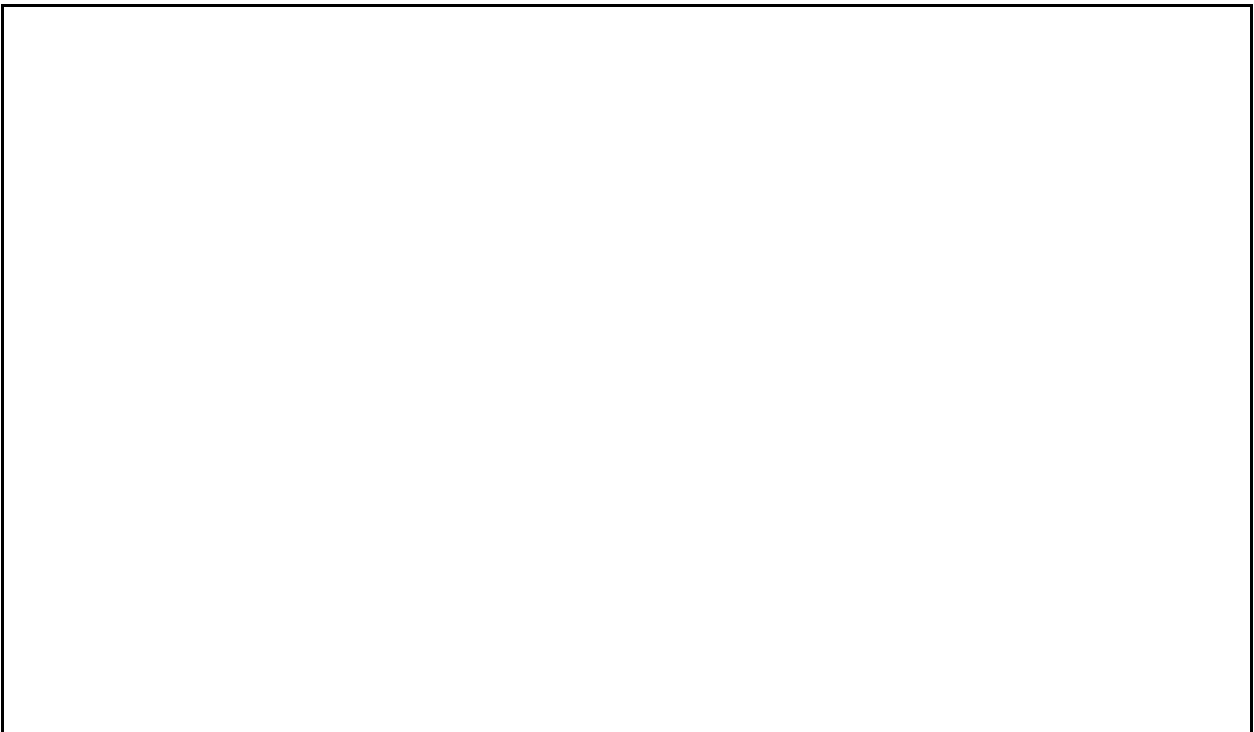


## When Things Heat Up...

In this lesson, you will investigate what happens to water when it is heated. In this investigation, you will add heat to iced water, measure the temperature change of the water over time, and observe changes in the water.

Before you start your investigation, can you predict what the temperature curve will look like during the time of the experiment? Draw your predicted graph of Temperature Vs. Time in the box below, and add your explanation for the curve below that. Assume that the starting temperature of the icy water is around 0 degrees Celsius.



What is your explanation for the predicted heating curve above?

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Now, perform the experiment and collect the data based on your teacher's instructions. Write your data in the table on the next page.

Data collection table-

# Why do I feel colder when I am wet than when I am dry?

## Lesson 2 activity sheet

Time (sec.)	Temperature (c)	What happens to the water?
0- start		
30		
60		
90		
120		
150		
180		
210		
240		
270		
300		
Cont. until boiling...		

Now, draw a graph of Temperature vs. Time based on the data you've collected in the box below. Also, point out the changes you've observed in the water in the graph.

