

# SUMMATIVE SCIENTIFIC METHOD

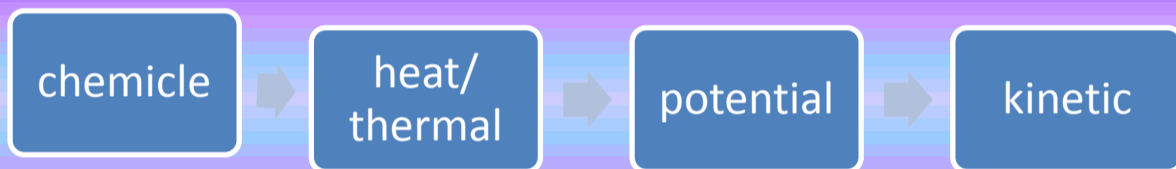
BY: ALEX, RANIA, JORDAN 4B

<b>Question:</b>	Does the size of the candle impact on how long does it take to form water droplets?		
<b>Background knowledge:</b>	We know water will evaporate because of the heat. The ice will melt also because of the heat. Then we also know if we use more heat the ice will melt faster. Then we give it more time than it will create more water droplets. Also the more ice there is the faster it takes to form water droplets.		
<b>Hypothesis:</b>	If we have different types of fire the time to form water droplets will be different too.		
<b>Equipment:</b>	Bowl Plastic wrap (length :20.5 cm 2 mm width)		
<b>Material:</b>	3 Ice ( rectangular prism) Water ( 200 ml) Candle 15.5 cm length 2.1 width. Match (1 scratch ) Paraffin ( 1 table spoon)		
<b>Independent:</b>	Water Droplets , Match		
<b>Dependent:</b>	Candle, ice ( rectangular prism) ,paraffin and time		
<b>Controlled:</b>	Bowl fire		
<b>Procedure</b>	<ol style="list-style-type: none"> <li>1. Prepare all the equipment and materials.</li> <li>2. Put the candle inside the bowl</li> <li>3. put another bowl on top and put plastic wrap on it</li> <li>4. Put 5 pieces of ice and hold the owl with your hand.</li> <li>5. Try this to the match and paraffin and see which thing can melt the ice faster and count with a stopwatch.</li> </ol>		
<b>data</b>	Candle:	Match:	Paraffin:
	3: 38	2: 28	1:01
<b>conclusion</b>	The match didn't form water droplets the fastest the paraffin forms water droplets the fastest.		



Result	The candle was Candle: 3: 38 The match was 2: 28 And the paraffin was 1:01
How people use in their daily life?	Sometimes when we go camping we need fire. Then we need water to drink and ice to make our drinks colder. We also use bowl to put some of our things and food. We also can discover if there's rain by doing similar experiment. Then we can see with fire too.
What energy is used?	Heat energy Potential energy Kinetic energy Thermal energy Gravitational potential energy

Energy transformation (multi transformation)



First it's chemical because fire is chemical. Then it heat because fire is hot. After that it's potential because it stores energy and when it moves it's kinetic.

