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| Question | 1st step in scientific inquiry | Does the shape of ice affect how quickly the ice melts? |
| Observe | Using one or more of your senses to gather information and noting what occurs | -shapes include square, rectangular, circle-when ice reaches 0 degrees Celsius, it starts to melt |
| Infer | To make a logical explanation of an observation that is drawn from prior knowledge | The more clear the ice is, the more pure the water that was used. |
| Hypothesis | Possible explanation for an observation that can be tested by scientific investigation | If I change the shape of ice, then the time of melting will not change. |
| Test/Experiment | An investigation which has only one independent variable and everything else is the same | Independent variable = shape of iceAll other variables kept the sameDependent variable = time to melt |
| Analyze | Interpret data to look for trends, patterns, and relationships;graphs, charts, diagrams | Picture of graph is here. |
| Conclusion | A summary of the information gained form testing a hypothesis | I wanted to know if the shape of an ice cube would affect the speed it melted. I hypothesized that the shape would not affect the time for melting. I used crescent and square shaped ice and discovered that the crescent shaped ice melted an average of 4 minutes faster that the square. My hypothesis was disproven. My next experiment will be to test Honey Ham vs Sonic ice to discover which one melts last. |