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| [https://encrypted-tbn3.gstatic.com/images?q=tbn:ANd9GcTti007inud-pEmyrNG99oHRdwA2FgO7DJEHT7Ys0mWQEOBtCPSQBn7GjYD](https://www.google.ca/search?biw=1051&bih=453&tbm=isch&q=coffee+cup+clip+art+black+white&revid=1153792327&sa=X&ei=wliuVL3pHsikyQSX-oCoBg&ved=0CCAQ1QIoAQ) | Cooling Coffee Activity  Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

**Part I Record the temperature of the coffee every minute for twenty minutes. Create a line graph of this data.**

**Part II Answer the following questions using complete sentences.**

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| 1) According to the data you collected on the cooling coffee, is the suspect in the jewellery theft telling the truth? Please explain your answer fully. |

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| 2) Fully describe two factors that could affect the rate of cooling of the coffee. |