Name: \_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_ Class:\_\_\_\_\_\_\_\_\_\_

**Experiment: Making Ice Cream in a Bag**

**Problem:** What type of salt changes a liquid to a solid faster?

**Hypothesis:**

**Materials:** 1 cup of whole milk ¼ teaspoon vanilla

4 tablespoons of sugar 1 plastic cup

1 plastic spoon ¼ cup rock salt

3-4 cups of crushed ice gloves

Measuring cup measuring spoons

1 gallon size Ziploc bag 1 sandwich size Ziploc bag

Thermometer goggles

**Procedures:** Write down the steps you took to make the ice cream

**Data: Temperature**

|  |  |  |  |
| --- | --- | --- | --- |
| Groups | Beginning in degrees celsius | Middle in  degrees celsius | End in  degrees celsius |
| Rock salt 1 |  |  |  |
| Rock salt 2 |  |  |  |
| Rock salt 3 |  |  |  |
| Table salt 4 |  |  |  |
| Table salt 5 |  |  |  |
| Table salt 6 |  |  |  |

**Data: Time**

|  |  |  |
| --- | --- | --- |
| Groups | Start | End |
| Rock salt 1 |  |  |
| Rock salt 2 |  |  |
| Rock salt 3 |  |  |
| Table salt 4 |  |  |
| Table salt 5 |  |  |
| Table salt 6 |  |  |

**Conclusion:** Did the evidence support your hypothesis? Why or why not?



How can you redo the experiment with different variables? Think about what you could do that would make it take longer to get results or a way to possibly get results more quickly.