

Name _____ Date _____

Be an Investigator**Description of Investigation and Student Report**

You are going to help a scientist evaluate different experiments. Each experiment has a temperature range. The temperature has to stay within that range, or the experiment is invalid. There are three different experiments. The scientist has given you a temperature range for each experiment and three temperature readings. She would like you to tell her if any of the experiments are invalid and, if so, why.

Information**Experiment 1**Temperature Range: $90^{\circ}\text{F} < \text{temperature} < 101^{\circ}\text{F}$ Readings: 91°F , 98°F , 101°F **Experiment 2**Temperature Range: $80^{\circ}\text{F} \leq \text{temperature} \leq 90^{\circ}\text{F}$ Readings: 80°F , 86°F , 90°F **Experiment 3**Temperature Range: $\text{temperature} > 90^{\circ}\text{F}$ Readings: 90°F , 95°F , 105°F

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The following experiments are invalid.

The reason the experiments are invalid is:
