

Writing Up an Investigation Assignment – Student Edition

II. Interpreting Results

The data below shows the change in temperature of two metal cans which have been wrapped in aluminum foil. The cans were filled with hot water and monitored every two minutes for 10 minutes. Can A was wrapped in four layers while Can B was wrapped in one layer.

Time (min)	Temperature (°C)	
	Can A	Can B
0	90	90
2	87	87
4	85	84
6	84	82
8	84	80
10	83	78

1. Draw a graph to display these results.



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2. Which wrapping was the most effective at preventing heat loss from the can?

3. Use the graph to find out what the temperature each can would be after 3 minutes.

4. What variables would need to be controlled to make this test as fair as possible.

5. Write a conclusion for these findings.
