

Unit 3 Lab: Icy Hot

Lab Write-up – Evaluation & Conclusion

Divide your heating curve into three regions; label each region:

- (A) a low temperature plateau
- (B) a region of temperature change
- (C) a high temperature plateau

The following questions should be answered in your lab report in your notebook.

1. Did the system in this lab involve a chemical change? Explain.
Did the system absorb or release energy? Explain.
2. For *each* region on your graph,
 - a. describe how the energy supplied by the burner was stored by the system (E_{th} or E_{ph})
 - b. state what phases were present
 - c. draw a model at the particle level that shows how the water particles were behaving.
3. How would increasing the rate of heating by using two burners affect the shape of the curve?

Also include the answer to the question and what is the general principle of matter you learned from doing the lab. (See write up sheet)