



HEAT OF FUSION

Guide Questions

40% of the Written Report (Group Report) grade

1. For substances that will be in thermal contact, how would we know which will absorb energy (heat), and which will release energy in the form of heat?
2. In the experiment that you had performed, which substance(s) or material(s) absorbed heat energy? Which released heat energy?
3. Identify two (2) unwanted sources of heat loss and/or gain that may have contributed to error in your experiment.
4. What properties would a material need in order to be a better coolant than ice?
5. During winter, when nights can be really cold, you will find that placing a large tub of water in a storage cellar would prevent food from freezing. Explain why.