

Questions



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specific heat capacity candle power

1. Plot a graph of temperature vs time for this experiment.
2. Why did I drill a hole in the lid to hold the thermometer instead of just standing the thermometer in the water?
3. There are many sources of error in this experiment. Describe 3 of them and say whether they will cause me to over or under-estimate the power output of the candle.

Fail! Specific heat capacity of 2 materials

1. Plot a graph of temperature vs time for this experiment.
2. Take the specific heat capacity of steel to be 420 J/Kg K . How much energy should it take to heat the steel nuts in this video by 30 K ?
3. Do the same calculation for the water in this video.
4. Why do you think my result was so far off?