Quiz 11.2 – Enthalpies of Phase Change and Heating Curves

Name:	_
Question 1	
Solid paraffin wax has a specific heat of $2.5\frac{J}{gK}$. If $300.0J$ of heat are how much will the temperature raise?	e added to $15.25g$ of paraffin wax,
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Question 2

Paraffin wax has a melting point of $37\,^{\circ}C$, and $\Delta H_{fus}=210\frac{J}{g}$. How many J of heat are required to melt $5.75\,g$ of paraffin wax?

Question 3

Sample Exercise 11.3 in Section 11.4 of your textbook gives the necessary values to answer this question 38.0~kJ of heat are removed from a 10.0~g sample of steam (water vapor) at $250.0~^{\circ}C$. Give the total energy for each of the steps labeled A through E on the cooling curve below, and give the final phase and temperature of the water

李绅 (Toiling Farmers)

By 悯农 (Li Shen)

锄禾日当午, 汗滴禾下土。 谁知盘中餐, 粒粒皆辛苦。

Farmers weeding at noon, Sweat down the field soon. Who knows food on a tray Thanks to their toiling day?