Thermal Energy Curve:

Temperature

(oC)

600

500

200

60 180 340 580 820 860

-100 Q(kJ)

1. What is the boiling point of this material?

2. What is the freezing point of this material?

3. What is the melting point of this material?

4. If Lv=120 000J/kg, what is the mass of the sample?

5. Find cs, cl, cg and Lf.