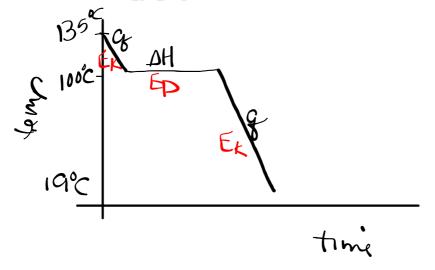
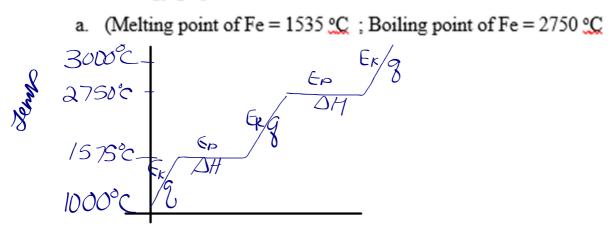
Enthalpy Change worksheet.doc
1.
$$ab3gNi \times 1mel_{x} \frac{17.6 kJ}{mel} = 78.9 kJ$$

2. $1150gH_{2}0\times 1mel_{x} \frac{40.7 kJ}{mel} = 3952.6 kJ$
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2. $125gS_{8}\times 1mel_{x} \frac{1.73 kJ}{mel} = 0.843 kJ$
erdoth $\frac{1}{256.4 kg} = \frac{1.73 kJ}{mel} = 0.843 kJ$
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5. $700g \times 1mel_{x} \frac{179.5 kJ}{mel_{x}} = \frac{1.79.5 kJ}{3811.8 kJ}$
5. $700g \times 1mel_{x} \frac{435 kJ}{135 kJ} = 660.8 kJ$
endoth $\frac{1}{18.03g} mel_{x} = \frac{1000}{381} kJ$
1. $50gH_{2} \times 1mel_{x} \frac{0.9 kJ}{mel_{x}} = 32.68 kJ$
evolth $\frac{1}{18.03g} mel_{x} = 22.28 kJ$
8. $600gNH_{3} \times 1mel_{x} \times 5.65 kJ} = 198.94 kJ$
8. $600gNH_{3} \times 1mel_{x} \times 5.65 kJ} = 198.94 kJ$

9. Draw an energy graph for H₂O as it is cooled from 135°C to 19°C.

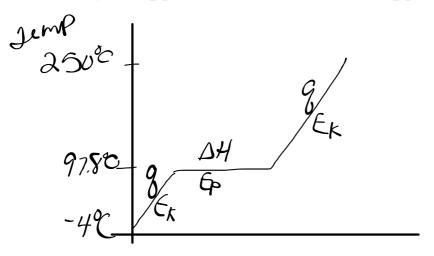


10. Draw an energy graph for Fe as it is heated from 1000°C to 3000°C.



11. Draw an energy graph for sodium (Na) as it is heated from -4°C to 250°C.

a. (Melting point of Na = 97.8 $^{\circ}C$; Boiling point of Fe = 883 $^{\circ}C$



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