Phase Change Diagram Worksheet	Name Date	Pd
<ol> <li>Calculate the amounts of energy required to take 46.0 g</li> <li>a) -58°C to 0°C</li> </ol>		
b) melt the ice		
c) 0°C to 100°C		
d) vaporize the water		
e) 100°C to 114°C		
f) What is the total energy required for the process above	5?	
2. Calculate the heat of fusion of iodine if 1567 Joules is re	equired to melt 25.4 grams of solid io	dine?
3. The heat of fusion $(H_{\rm f})$ of palladium is 162 J/g. Calcula	te the energy required to melt 4.24 gr	ams of it.