1.	Find the change in boiling point of water from standard pressure to a pressure of 0.79 atm.
2.	Find the heat needed to raise 250g of ice @ -15 $^{\circ}$ C to liquid water @ 25 $^{\circ}$ C.
3.	Find the heat lost when 45.5 g of water is cooled from 458 K to 333 K @ 101.3 kPa.
4.	How much water can be vaporized by 230 kJ?
5.	How much liquid water is produced from a 2.6 kg block of ice that is originally @ -12 $^{\circ}$ C with 65 kcal of heat?
6.	A tub is fill with 200 kg of water @ 14.8 $^{\circ}$ C. A 100 kg block of hot aluminum is dropped into the tub. Assume no water evaporated and the final temperature of water/ion combination is 22 $^{\circ}$ C. How hot was the aluminum? Aluminum has a specific heat of 0.22 cal/g $^{\circ}$ C.

Unit VI. States of Matter. Assignment 10: Phase Change/Temperature Change Worksheet