**Unit 6 Review Problems I**

1. **If .355 Kg of matter (SH = 5.47) reacted with HCl and the temperature went from 29.005 C to 39 C, what is the amount of heat that is given off?**
2. **If .00015 Kg of matter (SH = 1.00039) reacted with HCl and the temperature went from 29 C to 4.56 C, what is the amount of heat that is given off?**
3. **If .5 ml of a .15 M Aluminum Nitratesolution reacted with .89 g of Calcium, which reactant is limiting?**
4. **If 12 g of strontium reacted with 6.0055 ml of .5 M potassium sulfide solution, which reactant is in excess?**
5. **If 2.2 L of Magnesium oxide reacted with 7.5 g of strontium chloride, which reactant was limiting?**