Concentration Calculations 2

1. If 4.0g of Calcium is reacted with 200mL of a 2molL$^{-1}$ solution of hydrochloric acid. Calculate the volume of gas produced at 273K and 100kPa.

2. If 1.5 grams of calcium carbonate is mixed with 100mL of a 2.0molL$^{-1}$ sulfuric acid calculate the volume of gas produced at 298K and 100 kPa