The Ideal Gas Law

	Name:
1) How many moles of gas are in a 40.0 L container und	der a pressure of 1.98 atm at -15 °C?
2) What is the volume occupied by 0.005 moles of an identerparature of 300 $^{\rm o}{\rm C}$?	leal gas under 1500 torr of pressure and at a
3) 25.0 g of water is heated to 230 $^{\rm OF}$ and is confined to inside the container?	o a volume of 150 ml. What is the pressure
4) How many grams of chloroform, CHCl ₃ , are required of 750 torr?	to fill a 200 ml flask at 373 K and a pressure
5) A gas at constant pressure is cooled to a temperaturinitial volume was 50 ml. The temperature started at 5 the final volume of the gas?	
6) At what temperature is 8.70 grams of CO_2 , when it is pressure?	s placed in a 500 ml container at 2500 torr of

Answers: 2) 119 mL 4) 0.77 g

6) 101 K