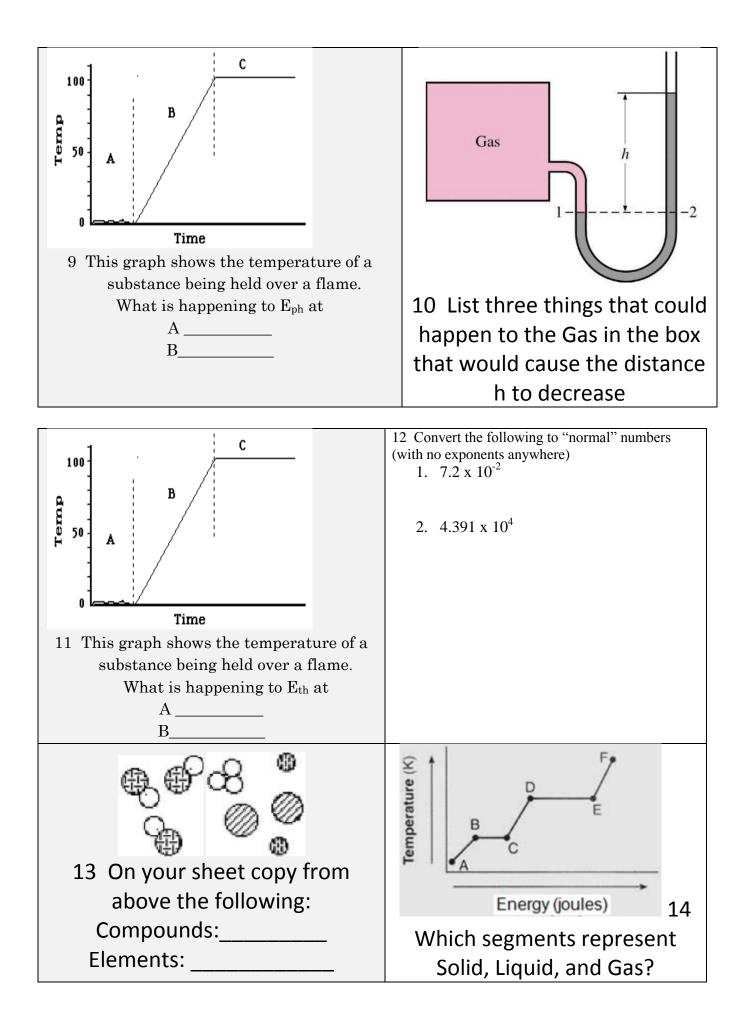
cl.State the Law of Conservation of Mass	5 Convert each of the following to an empirical formula: $\begin{array}{c} P_3O_6\\ P_3O_3\\ C_2H_{10}O_4\\ C_{12}H_{24} \end{array}$
2.Draw a simple graph, with no numbers, that shows Pressure vs Volume	6 If some substance had a density of 4.38 g/cm ³ what would be the mass of 838 grams of that substance?
3 Draw a simple graph, with no numbers, that shows Pressure vs Temperature	7 Kelvins, Celsius, and Fahrenheit. Of these, which will double in magnitude when the kinetic energy of a substance doubles?
4 When temperature decreases, what happens to pressure? When volume increases, what happens to pressure?	8 Write standard pressure in three or more different units.



15 What is the mass of 1 mole of CO ₂ ?	18 Sketch these and then label what they are called
16 How many atoms of neon are there in 1/2 a mole of neon?	19 List the three forms that energy can be stored (they all have a capitol E). List the three ways energy can be transferred.
 17 What is the formula for calculating the heat that enters or leaves water. In what four units can we measure heat? 	20 Which two conversions are NOT correct? 1000 calories = 1 Calorie absolut = 0°C 6.02x10 ²³ moles = 1 atom 12.01 grams C = 6.02x10 ²³ atoms C

21 Round each to three significant figures	
23409	c D
3.4451x10 ¹⁵	
	Which two show the best accuracy? Whichtwo show the best precision?

