Gas Laws Practice

1.	State the Boyles law, what is the mathematical equation used to calculate the problems involving Boyle's law. 4 Marks
2.	Draw a graph to represent Boyles law 2 Marks
3.	State the Charles law, what is the mathematical equation used to calculate the problems involving Charles law. 4 Marks
4.	Convert -25°C to Kelvin 2 Marks
	Convert 500K to degrees Celsius 2 Marks
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6.	If 50 mL of Oxygen gas is compressed from 20 kPa of pressure to 40 kPa of pressure, what is the new volume at constant temperature? 4 Marks
7.	A gas occupies 250 ml when the barometer reads 720 kPa. How many ml will it occupy when the barometer reads 740 kPa? 4 Marks
8.	A man heats a balloon in the oven. If the balloon initially has a volume of 0.4 litres and a temperature of 20° C, what will the volume of the balloon be after he heats it to a temperature of 250° C 4 Marks