



MI XED GAS LAWS WORKSHEET

| | WITALD GAS LAWS WOTHSTILLT |
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| 1) | How many moles of gas occupy 98 L at a pressure of 2.8 atmospheres and a temperature of 292 K? |
| 2) | If 5.0 moles of O_2 and 3.0 moles of N_2 are placed in a 30.0 L tank at a temperature of 25° C, what will the pressure of the resulting mixture of gases be? |
| 3) | A balloon is filled with 35.0 L of helium in the morning when the temperature is 20.0° C. By noon the temperature has risen to 45.0° C. What is the new volume of the balloon? |
| 4) | A 35 L tank of oxygen is at 315 K with an internal pressure of 190 atmospheres. How many moles of gas does the tank contain? |