# Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Hour: \_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_

# Chemistry: *Unit Conversions for the Gas Laws*

*Directions: Complete the following tables, showing your work for each lettered box beside the corresponding letter below. Include units on your work, and write your final answers in the tables.*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| TEMPERATURE | |  | PRESSURE | | |
| **K** | **oC** | **mm Hg** | **kPa** | **atm** |
| **373 K** | **(D)** | **890 mm Hg** | **(K)** | **(O)** |
| **(A)** | **56oC** | **(G)** | **123 kPa** | **(P)** |
| **(B)** | **154oC** | **(H)** | **(L)** | **0.64 atm** |
| **128 K** | **(E)** | **3140 mm Hg** | **(M)** | **(Q)** |
| **800 K** | **(F)** | **(I)** | **(N)** | **2.35 atm** |
| **(C)** | **–10oC** | **(J)** | **25 kPa** | **(R)** |

**(A) (J)**

**(B) (K)**

**(C) (L)**

**(D) (M)**

**(E) (N)**

**(F) (O)**

**(G) (P)**

**(H) (Q)**

**(I) (R)**