**Name: Period: Seat#:**

**S-57**

**Directions:** Try these problems. If you can DO them, check the box (🗹).
If you CANNOT do them, write some notes TO YOURSELF about what you need to study to succeed at these problems.

* **Pressure Units**

Fill in the table:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **atm** | **mmHg** | **kPa** | **torr** | **psi** |
| 1.00 |  |  |  |  |

* **Pressure Conversions**

Convert 725 mmHg into kPa.

Convert 745 torr into atm.

* **Temperature Conversions & K.E.**

 25.0°C = \_\_\_\_\_\_\_\_ K

 What temp (in °C) has twice the KE as 127°C?

* **Gas Law Problem**

A 75.5 mL sample of gas at 1.25 atm pressure is squeezed into a 10.0 mL container.
What is its new pressure?

* **Gas Law Problem**

A 2.50 L sample of gas is warmed from 20.0°C to 100°C. What is its new volume?