## WKS 11.1 – The Gas Laws (2 pages)

1. In your own words, state the five postulates of the kinetic molecular model for gases.

2. What are the temperature and pressure conditions at STP?

3. Out of Boyle's, Charles', and Gay-Lussac's Laws, which have a direct relationship?

4. Out of Boyle's, Charles', and Gay-Lussac's Laws, which have an indirect relationship?

5. As temperature goes up, what happens to volume? Which law demonstrates this relationship? Draw a graph (including labeled x-axis and y-axis) of what this law might look like.

6. As temperature goes up, what happens to pressure? Which law demonstrates this relationship? Draw a graph (including labeled x-axis and y-axis) of what this law might look like.

7. As pressure increases, what happens to volume? Which law demonstrates this relationship? Draw a graph (including labeled x-axis and y-axis) of what this law might look like.

**90% of a worksheet must be completed to earn credit for that worksheet!**