**Graphing Gas Behavior**

**What is a graph?**

-A diagram that shows how two variables are related. They tell a story in picture form of how two factors interact.

**Boyle’s Law:**

-Relates pressure and volume of a gas at a constant temperature. Illustrates an inverse relationship which means that as one variable increases, the other variable decreases. The graph of Boyle’s Law results in a curve.

**Charles’s Law:**

-Relates temperature and volume of a gas at a constant pressure. Illustrates a direct relationship which means that as one variable increases, so does the other variable. The graph of Charles’s Law results in a straight line.