

## Summary Worksheet

### Behavior of Gases

**Task: Place the options in the correct box in the table**

| Criteria | pressure of a gas increases if the volume decreases, and pressure of a gas decreases if volume increases, when temperature is constant | volume of a gas increases with increasing temperature, if the pressure is constant |
|----------|----------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| Law name |                                                                                                                                        |                                                                                    |
| Constant |                                                                                                                                        |                                                                                    |
| Formula  |                                                                                                                                        |                                                                                    |
| Graph    |                                                                                                                                        |                                                                                    |
| Example  |                                                                                                                                        |                                                                                    |

$$P_1V_1 = P_2V_2$$

$$\frac{V_1}{T_1} = \frac{V_2}{T_2}$$



