



Charles's Law



Charles's Law states: If you increase _____, it also increases _____.



In turn, if you decrease _____, it also decreases _____.

Procedures:

1. Blow up your balloon to about the size of a softball. (It needs to fit inside the 1000mL beaker.) Tie the balloon closed.
2. Obtain 300 mL of very hot water (from your teacher) in the 1000mL beaker.
3. Place the balloon in the beaker of hot water.
4. Observe what happens.

5. Add the appropriate arrow next to volume in the table below. (Either  or )
6. Use a separate 1000mL beaker to obtain ice water from the teacher.
7. Carefully transfer the balloon from the hot water to the cold water.
8. Observe what happens.

9. Add the appropriate arrow next to volume in the table below. (Either  or )
10. We do not have concrete numbers to graph. So, add a straight line to the graph below that shows the trend of what happens to the volume of a gas as temperature increases.

Effect with HOT water	As Temperature 	Volume
Effect with COLD water	As Temperature 	Volume

