Charles's Law

Summary

A sealed bulb is warmed with body heat from hands. The increase in pressure in the bulb increases, demonstrated as a column of water is displaced.

Materials

- Charles Law apparatus
- Large crystallizing dish
- Warm water (or hands)

Procedure

The gas inside the bulb can be expanded by using a warm water bath or simply by using your hands (vigorously rubbing your hands together will increase their heat). Make sure the system is closed before expanding the gas.

Source URL: https://chem.washington.edu/lecture-demos/charless-law