Bunsen Burners

To start, attach the hose to the gas (not the air) spigot. Do not turn the gas on yet. Open the burner’s air vent fully (see drawing, middle right). Make sure you can get a spark on the flame striker. Try using the striker on the burner as shown at the bottom right. Turn the gas regulator on the burner to completely close the gas valve (see below), then open it one-half turn. Now turn the gas spigot on (see below, left). Use one hand to hold the burner so your fingers are blocking the air vents. Use the flame striker as shown to ignite the gas. Remove your fingers from the air vent. Adjust the gas regulator on the burner to get a flame with the characteristics as shown at right. (Always adjust the gas flow with the gas regulator. The gas spigot on the desk is either full on or full off. It is not used to adjust gas flow.) Try various combinations of gas and air to get gentle, medium and hot flames. Flames should always be in the 2 to 5 cm range in height.