

Lab #1: Glassblowing
Due date: At the end of lab

Name: _____
(Print and Pledged)

Purpose for lab: To learn a few glassblowing techniques that could come in handy in an undergraduate, graduate, medical, or industrial lab saving you time and money

Instructions: After the introduction to glassblowing demonstration, please complete the following and have it approved by your TA.

Assignment	Accomplished (check off list)
Turn on the gas regulator and set it to the appropriate setting	
Light the glassblowing torch	(Not mandatory)
Make a mouth piece	
Make at least 1 test tube by scoring a piece of glass to approximately 9". Close off the bottom of the tubing by turning in the flame. After cooling, ensure that the test tube can hold water.	
Make at least 2 test tubes by scoring an 18" piece of glass. Melt it in the center with opposite twisting. After cooling, ensure that the test tube can hold water.	
Make a T-seal using a large test tube and smaller test tube.	
Stretch the neck on two or more of your test tubes. Be careful that the stretched portion is not too small. (After cooling, ensure that you can put 2 mL of water in your test tube. If you can't, then the neck is too small.)	
Put ~ 2 mL of water in your stretched-neck test tube, pull a vacuum on it, and flame seal the tube .	
Turn off the glassblowing torch	
Turn off the gas regulator and the methane	