

George Mason University
CHEM 321 LAB: 15 MINUTE QUIZ
Tools of the Trade

Name _____

(Show work to get full credit)

1. What do the symbols TD and TC mean on volumetric glassware?
2. Under what circumstances one should use a plastic volumetric flask instead of a glass flask?
3. What is the difference between a transfer pipet and a measuring pipet? Which is more accurate?
4. Give five points to avoid errors in operating a buret.
5. What is the best way to deliver liquid from a volumetric transfer pipet to a receiving beaker?
6. For a critical work glassware is washed with 3-6 M HCl. Explain why.
7. What happens when iron ore (Fe_2O_3) is dissolved into HCl and then treated with ammonia? Explain through reactions.