Dry Lab 4 Techniques Worksheet

- 1. Answer the following questions using Dry Lab 4 (Preface to Qualitative Analysis) and the Laboratory Techniques section in the front of your lab manual. (6 pts total)
- a. What is the approximate volume of a standard 75-mm test tube? (Refer to Figure T.7a in Technique 7 and to Figure D4.1 in the Dry Lab)
- b. Small volumes of liquid reagents are usually added with what apparatus? (Refer to Part A of the Dry Lab)
- c. What is the approximate number of pipet drops in 1 ml? (Refer to Part A of the Dry Lab)
- d. A precipitate can be broken up (or dispersed) with what apparatus? (Refer to Part C of the Dry Lab)
- e. How can a precipitate can be compacted and then separated from the clear liquid? (Refer to Technique 11F and Figures T.11g/h)
- f. What is name of the clear liquid above the precipitate? (Refer to Technique 11F)
- g. How long does a solution with a precipitate need to be centrifuged? (Refer to Technique 11F)
- h. What actions should never be done to agitate or stir a test tube? (Refer to Figure T.7b and Technique 7A, along with dry lab discussion)
- i. On a flow diagram, the double vertical lines, || , mean what? (Refer to Part D of the Dry Lab)
- j. On a flow diagram, the single horizontal line, ——, means what?(Refer to Part D of the Dry Lab)
- k. On a flow diagram, the double horizontal lines, ——, means what? (Refer to Part D of the Dry Lab)
- 1. On a flow diagram, the box around an ion means what? (Refer to Part D of the Dry Lab)

