

**B. The Pipet**

Mass of empty 150-mL beaker \_\_\_\_\_

Mass of beaker plus water sample \_\_\_\_\_

Mass of water transferred \_\_\_\_\_

Temperature of water sample \_\_\_\_\_

Density of water at this temperature \_\_\_\_\_

Calculated volume of water transferred \_\_\_\_\_

Difference between actual and calculated volumes transferred \_\_\_\_\_

**C. The Buret**

Initial liquid level in buret \_\_\_\_\_ Final liquid level in buret \_\_\_\_\_

Volume of liquid transferred \_\_\_\_\_ Mass of empty beaker \_\_\_\_\_

Mass of beaker plus water \_\_\_\_\_ Mass of water transferred \_\_\_\_\_

Temperature of water \_\_\_\_\_ Density at this temperature \_\_\_\_\_

Calculated volume of water transferred \_\_\_\_\_

Difference between actual and calculated volumes transferred \_\_\_\_\_

**QUESTION**

On the basis of your experience in this experiment, briefly discuss the relative precision permitted by a graduated cylinder, a pipet, and a buret. Give several circumstances under which you would use each instrument, in preference to the other two.

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