NAME: $\qquad$ PD: $\qquad$ DATE: $\qquad$
Follow the procedures at the stations and record observations for each step. Decide which observations (if any) indicate that a physical change occurred and which (if any) indicate that a chemical change occurred. Note: some procedures are complex enough to involve more than one change.

Observations
Interpretation


- Volume of water in a volumetric flask is 100.0 mL .
- Same volume of water in a graduated cylinder reads $\qquad$ mL. (Record to correct \# of sig figs)
- Same volume of water in a beaker reads $\qquad$ mL. (Record to correct \# of sig figs)

| (Station \#7): Density of Unknown Solid Observation of substance: | Volume of solid $=$ $\qquad$ mL Show ALL Work \& Units: |
| :---: | :---: |
| Grad Cylinder w/ water $=\ldots \mathrm{mL}$ |  |
| Grad Cylinder w/water + solid $=\ldots \mathrm{mL}$ |  |
| Mass of unknown solid $=\quad$ g | Density of unknown solid is $\qquad$ $\mathrm{g} / \mathrm{mL}$ <br> Identity of unknown solid is most likely |

## (Station \#8): Density of Unknown Liquid

Observation of substance:

Mass of Empty Cylinder = $\qquad$ g

Mass of Cylinder + liquid = $\qquad$ g

Volume of liquid in cylinder $=$ $\qquad$ mL

Density of unknown liquid is $\qquad$ $\mathrm{g} / \mathrm{mL}$

