EXPERIMENT: DENSITY COLUMN

<table>
<thead>
<tr>
<th>DAY:</th>
<th>☐ M ☐ T ☐ W ☐ R ☐ F</th>
<th>TIME:</th>
<th>☐ AM ☐ PM</th>
<th>RANK:</th>
<th>☐ #1 ☐ #2 ☐ #3 ☐ #4</th>
<th>PREP COORDINATOR:</th>
<th>☐ ☐ ☐</th>
<th>TYPE</th>
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<td>Ya Kelley Ming Xin</td>
<td>Individually OR:</td>
<td>Teams (groups of 2)</td>
<td>Teams (groups of ___)</td>
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CHEMICALS/MATERIALS

- Liquids
  - (#2) Corn Syrup, 333mL - bottom layer
  - (#4) Water (distilled), 333mL
    - Middle Layer
    - Add 1 drop of food coloring.
  - (#6) Baby Oil, 333mL - top layer
- Solids
  - (#1) Silver Dollar, bottom
  - (#3) Rubber Stopper, between corn syrup & ethanol water
  - (#5) Parafilm
    - ~1 inch²
    - between ethanol water & baby oil
  - (#7) Cork, top

EQUIPMENT

- 1L Graduated Cylinder, clean
- Light Box

SUPPLIES

- Aluminum Foil, place on top of graduated cylinder
- Rubber Band, use to secure aluminum foil

PROCEDURE

Prepare a density column from the 7 materials listed above (x3 liquids, x4 solids) adding the materials in the proper order (indicated w/ #) to a clean, dry, 1L graduated cylinder. To prevent evaporation, cover the graduated cylinder with aluminum foil and a rubber band. Handle the cylinder carefully!
CLEAN-UP
Do not discard materials. The lab supervisor would be happy to store this on her desk after the program!

100a Density Column