**EXPERIMENT: Paper Chromatography**

<table>
<thead>
<tr>
<th>DAY:</th>
<th>☐ M  ☐ T  ☐ W  ☐ R  ☐ F</th>
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<tbody>
<tr>
<td>TIME:</td>
<td>☐ AM  ☐ PM</td>
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<tr>
<td>RANK:</td>
<td>☐ #1  ☐ #2  ☐ #3  ☐ #4</td>
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**PREP COORDINATOR:**

- ☐ Ya
- ☐ Kelley
- ☐ Ming
- ☐ Xin

**TYPE:**

- ☑ Individually OR:
- ☑ Teams (groups of 2)
- ☑ Teams (groups of ___)

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**CHEMICALS/MATERIALS**

- Sodium Chloride, 0.1%
  - Dilute ____tsp w/ distilled water to 2.5L of distilled water (The amount is indicated on the container's label)
  - Prepare solution directly in bottle (discard old if < 2L).
- Food Dyes
  - Unknowns
    - A (Y6 & G)
    - B (R3 & B)
    - C (Y6 & B)
    - D (R40 & G)
  - Knowns
    - B - The FDA approved food dye, "Blue #___".
    - G - The FDA approved food dye, "Green".
    - R3 - The FDA approved food dye, "Red #3".
    - R40 - The FDA approved food dye, "Red #40".
    - Y6 - FDA approved food dye, "yellow #6".
- Distribute Dyes in a labeled, 125mL dropper bottle
  - Refill from the stock bottles 1st (stored in 500mL plastic bottles).
  - If stock bottles are empty, follow preparation instructions below,
- Preparation
  - Place 1 microspatula of the solid dyes into a labeled 500mL plastic bottle.
  - Dilute (in 500mL plastic bottle) w/ distilled water.
  - Transfer to labeled, 125mL container

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**EQUIPMENT (PER LAB - 18)**

- Petri Dishes, plastic
- Pencils
- Rulers

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**SUPPLIES**
- Chromatography Paper, ~3x5in (1/stu)
- Toothpicks, ~9 packs (TOTAL)