Determination of Solubility

Purpose:
We will investigate the solubility of different concentrated ionic solutions. We will be able to predict if a precipitate will form.
I predict that the higher concentrated solutions will form a precipitate.

Materials:
As per Mr. Branco’s “Determination of a Solubility Product” lab

\[
\text{Pb(NO}_3\text{)}_2 : \\
\text{H}_2 : \\
\text{E} : \\
\text{M} : \\
\]

* point form for safety hazards is acceptable.
Procedure:

1. Safety
   - Gather apparatus

2. Add 40 mL of 0.010 M Pb(NO₃)₂ and 40 mL of 0.020 M KI

3. Mix

4. Make sure each test tube is filled to 10.00 mL total vol. with d H₂O

5. Redo 4 and 5

Data & Observations