FLINN SCIENTIFIC

Name_____

Stoichiometry and Solubility Demonstration Worksheet

Data Tables

Cylinder	1	2	3	4	5	6	7
$Fe(NO_3)_3$, 0.1 M, mL							
NaOH, 0.1 M, mL							
Fe^{3+}:OH^- Mole Ratio							
Volume of Precipitate							

Cylinder	1	2	3	4	5	6	7
$CuCl_2$, 0.05 M, mL							
Na_3PO_4, 0.05 M, mL							
Cu^{2+}:PO_4^{3-} Mole Ratio							
Volume of Precipitate							

Discussion Questions

1. Draw two graphs, showing the volume of precipitate produced for each cylinder in the iron(III) reaction and in the copper(II) reaction.

2. For each reaction, which cylinder and mole ratio produced the most precipitate?

3. Write two balanced chemical equations, one for each reaction.