

### Hydrate Investigation Design

Before you begin, you will need to design an experiment for each unknown that includes alternative hypotheses, the test, and predictions. Complete the table and flow chart below.

Hydrate	$\text{BaCl}_2 \cdot 2 \text{H}_2\text{O}$	$\text{CuSO}_4 \cdot 5 \text{H}_2\text{O}$	$\text{CaCl}_2 \cdot 2 \text{H}_2\text{O}$	$\text{ZnSO}_4 \cdot 7 \text{H}_2\text{O}$
Molar Mass of Anhydrous Salt	208.28 g	159.58 g	110.90 g	161.42 g
Molar Mass of $n\text{H}_2\text{O}$	36.04 g			
Molar Mass of Hydrate				
Percent Water in the Hydrate				

