

Chemical/Element Name	Per Student	Per Class (24)	Location
Hexane	---	500 mL	HS 235C (F-2)
Cyclohexane	---	25 mL	HS 235C (F-2)
Methanol, Methyl Alcohol	---	500 mL	HS 235D (F-3)
6M Sulfuric Acid		1000 mL	Acid Cabinet #3 (by fridge)
Acetone		500 mL	HS 235C (F-2)
10% palladium on carbon		2g	Met-2 cabinet (next to HS 235E)
Granulated or mossy zinc	---	1 bottle	Met-2 cabinet (next to HS 235E)
Ice		1 tub	By fridge, drawer next to ice machine

Item Name	Per Student	Per Class (24)	Location
Boiling Stones	---	1 bottle	Ochem shelf #1
Olive Oil	---	1 bottle	HH – Household products shelf
Pipe cleaners	---	1 bag	Ochem shelf #1
Cotton	---	1 bag	Ochem shelf #1 or Household
Pasteur pipettes	---	1 box	Bookshelf facing 227
Magnetic stir bars	1	20	Stockroom drawer facing sink

## Solution Preparation

### 6M Sulfuric Acid

**Important:** Add acid to water! Slowly add acid to about 500mL of water – then add remaining water.  
Monitor exothermic temperature and prepare in an ice bath.

$$\frac{6M \text{ sulfuric acid}}{18M \text{ conc. sulfuric acid}} \times 1000 \text{ mL} = 333 \text{ mL} + 667 \text{ mL H}_2\text{O}$$