

Growing Crystals of $\text{NH}_4\text{H}_2\text{PO}_4$
Monoammonium Phosphate (Clear)

Materials:

Beakers

Graduated cylinder

Hot Plates

$\text{NH}_4\text{H}_2\text{PO}_4$

Safety glasses

Rocks

Clear Glasses or cups

Methods:

- 1) **Measure 60ml of water with a graduated cylinder**
- 2) **Boil water in a beaker**
- 3) **While water is warming, measure out 38 grams of $\text{NH}_4\text{H}_2\text{PO}_4$**
- 4) **Once the water begins to boil remove from heat and add the $\text{NH}_4\text{H}_2\text{PO}_4$ and stir with a glass rod until in solution.**
- 5) **Place rocks into a labeled cup**
- 6) **Add the hot solution into the cup.**
- 7) **Carefully set the cup in an area that will not be disturbed**