

# Growing Crystals of $\text{NH}_4\text{H}_2\text{PO}_4$

## Monoammonium Phosphate

### 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 80ml of water with a graduated cylinder
- 2) Boil water in a beaker
- 3) While water is warming, measure out 50 grams of the  $\text{NH}_4\text{H}_2\text{PO}_4$
- 4) Once the water begins to boil remove from heat and add the  $\text{NH}_4\text{H}_2\text{PO}_4$  mix 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