# Design lab

## Safety

Mg is flammable and reactive

Dangers of fame source/natural gas

## Materials list

Retort stand

Bunsen burner

Ring clamp

Tubing

//Gas valve

Flint lighter

Burn pad/clay triangle

Crucible

Tang

Cap

Electronic balance

## Procedure

Electronic balance was zeroed

The mass of crucible was recorded using an electronic balance

A piece of Mg was placed in the crucible

The new mass was recorded

The cap was placed on the crucible

Apparatus was setup:

Ring clamp was put on retort stand

Bunsen burner was placed under ring clamp

Clay triangle was placed on the ring clamp

Burn pad was placed on the clay triangle

The crucible was placed on the burn pad

Bunsen burner was connected with gas valve via tubing

Bunsen burner was lit using a flint lighter

The crucible was heated until reaction is complete

Tongs were used to remove the crucible

Crucible were let to cool

New weight of crucible was recorded on the electronic scale

Product was disposed in the oxidized waste container

use and to find out and

compare and to find molar ratio with the smallest number of moles

use molar ratio to determine chemical formula.

– hydroxide, colored

When leave through heating, it is now called anhydrous, which is normally white

Mole ratio