

Empirical Formula Lab Planning Sheet

Names

If you burn a sample of magnesium in a crucible, the main product will be magnesium oxide.

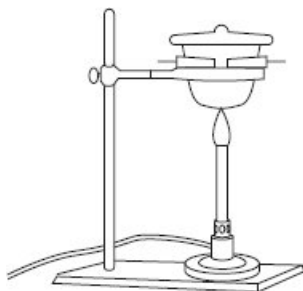


Image Source: <http://www.cracksat.net/sat2/chemistry/images2/00702.jpeg>

Write down a proposed balanced equation for this reaction:

How would you design an experiment to collect enough data to determine the empirical formula of magnesium oxide?

What data would you need to collect?

What assumptions need to be made?