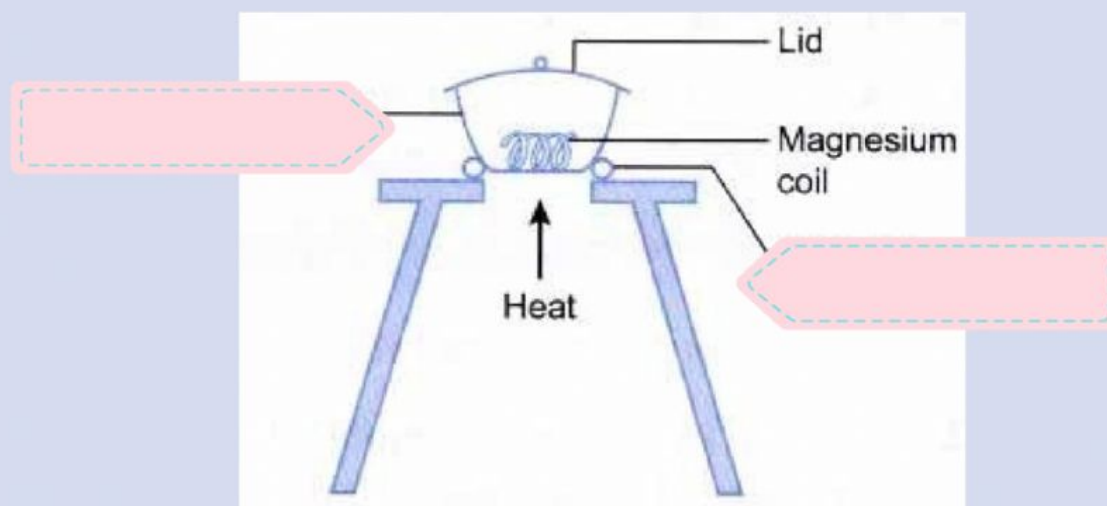




## Empirical formula

Dalila conducts an experiment. She sets up the apparatus as shown.



- Label the apparatus she used.
- Before she conducts the experiment, she clean the magnesium ribbon with sandpaper to remove the layer of \_\_\_\_\_.
- One of the important precaution step is to lift the lid slightly using a pair of tongs from time to time to allow the \_\_\_\_\_ to enter the crucible.
- When the reaction is complete, \_\_\_\_\_ solid is produced.
- The word equation of the reaction is:  
Magnesium + \_\_\_\_\_ → \_\_\_\_\_
- The empirical formula of the product obtained is \_\_\_\_\_.