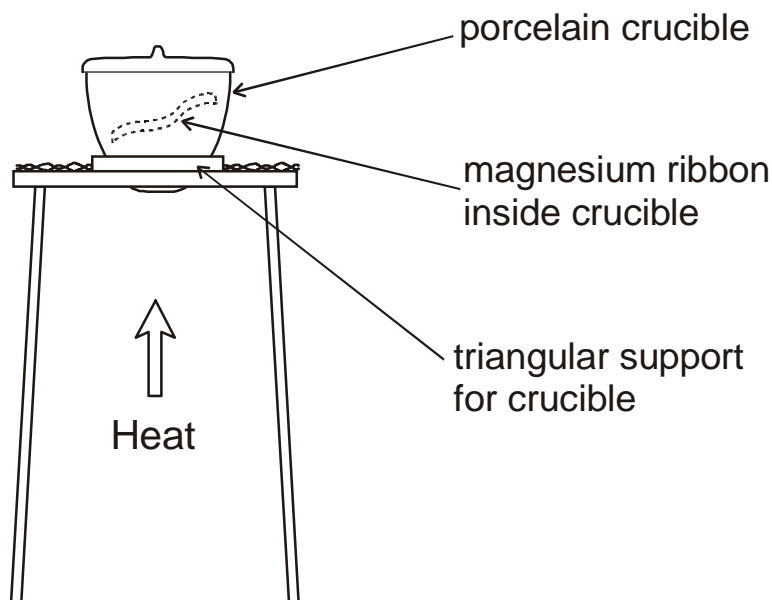


Heating Magnesium

Magnesium is a metal _____ which burns with a bright white flame.

Burning is a process which involves the gas _____.



Measure the mass of the crucible and lid and magnesium.

Mass *before* heating, $m_1 =$ _____ g

Heat with a Bunsen burner *with air holes about half open*.

About once a minute, lift the lid of the crucible slightly and observe the magnesium.

Lift the lid *just enough* to see inside the crucible. This allows you to see what is happening and also allows a little air to enter the crucible.

Measure the mass of the crucible and lid and contents again.

Mass *after* heating, $m_2 =$ _____ g

Observations

Inside the crucible we see _____

This substance is _____ (chemical formula _____)

Conclusion

The difference between m_1 and m_2 is due to the fact that _____
