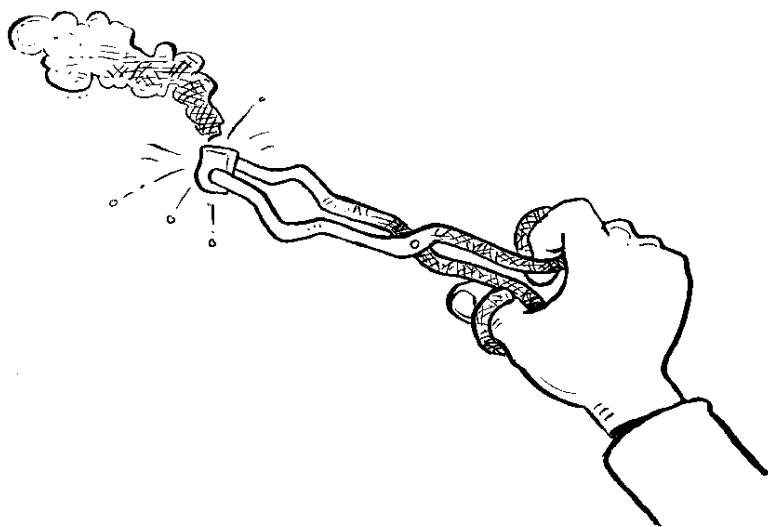


Burning magnesium in air inquiry activity

The aim of this task is to improve our scientific explanations of practical experiments.



Task

Explain what happens when magnesium burns.

Tip: Use the keywords and features of success below to help construct your answer.

compound element metal
mixture non-metal reaction

Features of quality

In line with expectations

- Identified any elements, compounds or mixtures involved in the reaction.
- Described the appearance and properties of the materials before and after the reaction.
- Classified substances involved as metals or non metals.
- Described what happened during the reaction.
- Used simple particle diagrams to describe the change.

Above expectations

- Used the particle model to explain the reaction in detail.
- Described why the substances can be classified as an element, compound or mixture.
- Explained the reaction using the idea of energy.
- Explained why there are the same numbers of particles in the beginning and at the end of the reaction.
- Written the word equation for the reaction.

Exceptional

- Completed all above criteria.
- Used symbols from the periodic table to write a balanced symbol equation.