

Science Unit 3: Amazing Changes



Overview

In this unit, the children learn about materials, how they change and which changes are reversible and irreversible. The topic concludes by looking at how these properties are applied in the real world.

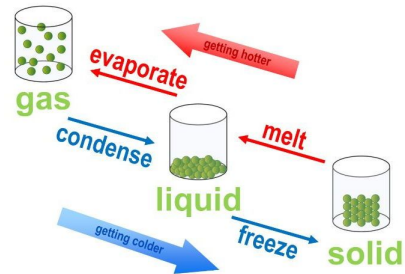
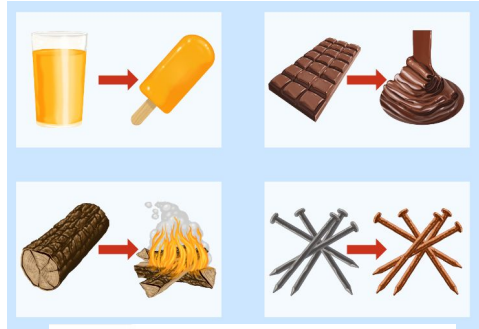
Key Points of Learning (RAG)

- To describe what happened in the elephant's toothpaste experiment using scientific vocabulary and know it is an irreversible change.
- To know that mixing bicarb and vinegar is an irreversible change.
- To carry out a test using standard measures, draw conclusions and suggest new tests.
- To explain how lava was made for the experiment, what the new material is and that this is an irreversible change.
- To link mixing warm milk and vinegar as an acid that produces a new material and is an irreversible change.
- To know that rust is an irreversible change.
- To know that burning is an irreversible change and make links between this and the fire triangle
- To design a new material and explain how it can be used and its importance.

Key Vocabulary

Acid
Burning
Irreversible change
Chemical change
Reversible change
Physical Change
Rust
Reaction

Questions I want to Investigate now...



Useful Websites

<https://www.bbc.co.uk/bitesize/topic/s/zcvv4wx/articles/z9brcwx>