



Chemical Changes

Introduction to Chemical Changes

Chemical changes occur when substances undergo a transformation to form new substances with different properties. These changes are irreversible and involve chemical reactions.

Understanding Chemical Changes through Activities

Definition of Chemical Change

A chemical change is a transformation where one or more new substances with different properties are formed. These changes are also called chemical reactions and are usually irreversible.

Important Keywords

Aqueous Solution: A liquid mixture where water is the solvent.

Ash: Solid residue left after combustion, composed mainly of inorganic materials.

Caramelization: Chemical process in which sugar decomposes when heated, forming new substances.

Displacement Reaction: A reaction where a more reactive metal replaces a less reactive metal from its compound.

Conclusion

Chemical changes are fundamental to various natural and industrial processes. They result in the formation of new substances, often accompanied by changes in color, gas production, or precipitate formation. Understanding these changes helps us analyze and predict chemical behavior in everyday life.