

CAIE Chemistry IGCSE

6.1 Physical and chemical changes

Flashcards

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What is a physical change?



What is a physical change?

A physical change affects the forces between particles. The particles and their chemical properties remain the same. Because chemical reactions are not involved, no new substances are made



What is a chemical change?



What is a chemical change?

Requires a chemical reaction and the products must have a different chemical composition to the reactants.



Give differences between physical and chemical changes



Give differences between physical and chemical changes

Physical changes	Chemical changes
Reversible	Irreversible
No significant energy change	Large energy change- Thermal energy is either taken in (endothermic) or released (exothermic)
Usually no colour change	Colour change can occur
Examples: Freezing, melting, boiling	Examples: Cooking, digestion, burning

