

# Cambridge IGCSE Chemistry

## Topic 7: Chemical reactions

### Physical and chemical changes

#### Notes



*Identify physical and chemical changes, and understand the differences between them*

- Physical changes
  - undergoing a physical change means no new substances are made, but there is a change to the appearance of a substance
  - e.g. being made into a mixture is a physical change since you can separate mixtures – since they consist of elements/compounds that are not chemically combined
    - E.g. fractional distillation of crude oil
  - also includes changing state or dissolving
- Chemical changes
  - A process of re-arrangement of the atoms present in the reactants to form one or more products, which have the same total number of each type of atoms as the reactants .
  - E.g. neutralisation reactions to produce salts or rusting

