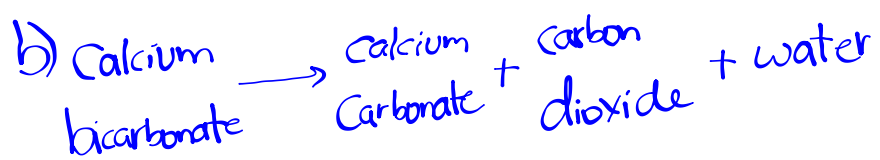
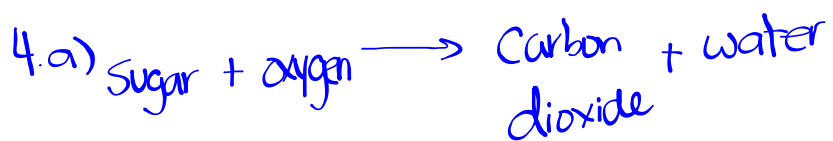
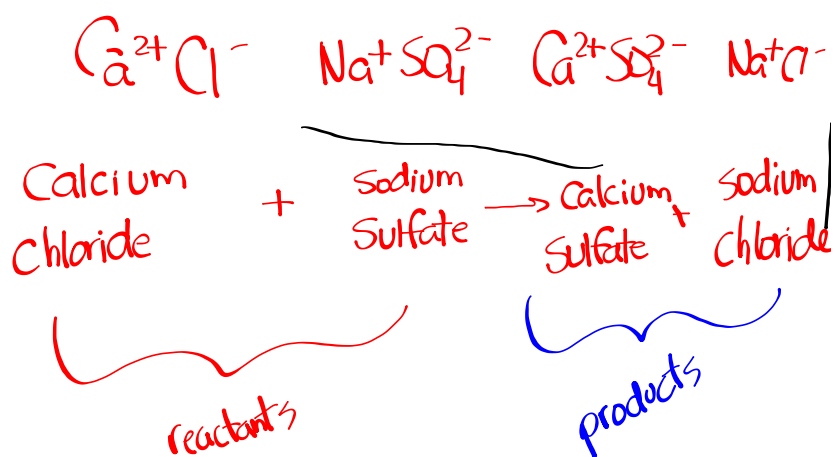


p. 219 #1-5

bread + peanut butter \longrightarrow PB sandwich



$2 + 3 = 5$

$3 + 2 = 5$

Types of Chemical Reactions

I. Combustion

The reaction of a substance with oxygen to produce oxides and energy.

light or heat



Complete Combustion

Substance being 'burned' completely.

For hydrocarbons, the products will always be carbon dioxide and water vapour.

Ex. butane + oxygen \Rightarrow carbon dioxide + water vapour



COMPLETE

propane + oxygen \rightarrow

INCOMPLETE

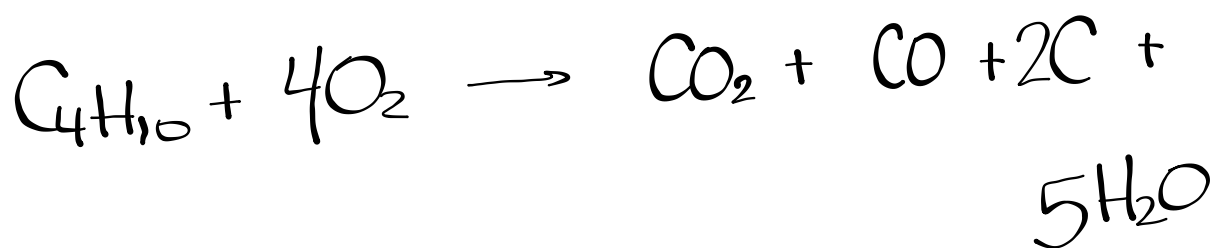
propane + oxygen \rightarrow

Incomplete Combustion

Occurs when there is not enough oxygen available to burn a substance completely.

For hydrocarbons, the products will be carbon dioxide, carbon monoxide, carbon and water vapour.

Ex. butane + oxygen \Rightarrow Carbon dioxide + Carbon monoxide + Carbon + water



Read p. 230-232

#1-5