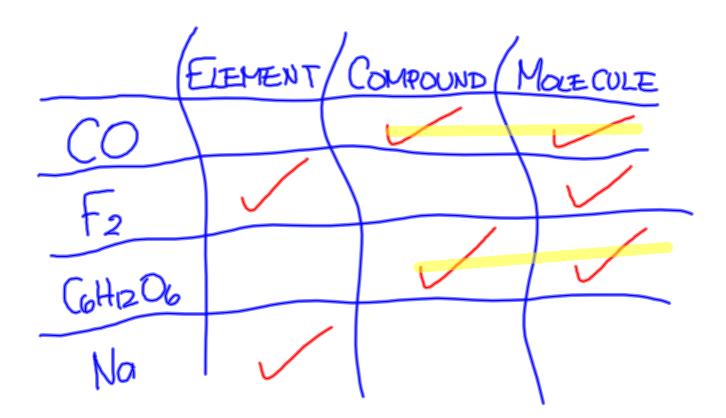
What is Chemistry?

Chemistry Intro

<u>Chemistry</u>: is the study of matter, its properties, and its changes or transformations

Matter: anything that has mass and takes up space

ottom C, Nelement type C, O_2 , S_8 Compound CO_2 , NaClcompound O_2 , P_4 , H_2O

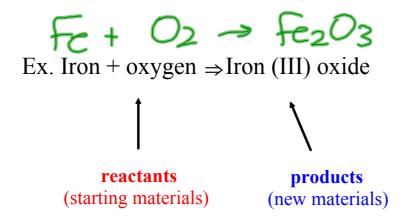


All types of matter have physical and chemical properties.
A physical property is a characteristic or description of a substance
'Senses'
Colour
Odour
Taste
State of matter
Solubility
Lustre
Melting point, boiling point

Chemical Properties

A <u>chemical property</u> is a characteristic **behaviour**. This must occur when a substance changes to a new substance.

The actual change is a chemical change.



Combustibility

Substance will react with oxygen to produce carbon dioxide, water vapour and energy.

Ex. Burning of gasoline

Read p. 172-174

p. 175 #1, 2, 4, 5