Curriculum Road Map
KS5- A-LEVEL CHEMISTRY

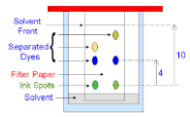
EXAMS

Your journey continues in university, apprenticeships or work.

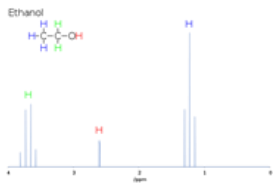
Reactions of Period 3 Elements and their Oxides

Organic Synthesis and Analysis

Required Practical 12



Chromatography

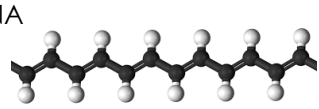


NMR

Equilibria and Kp

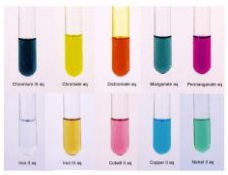
Amino Acids, Proteins and DNA

Required Practical 11



Polymers

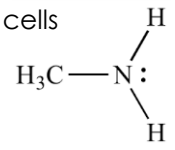
Reactions of inorganic aqueous ions



Transition metals

Required Practical 8

Electrode potentials and electrochemical cells



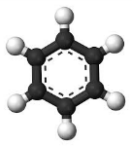
Amines

H^+

Acids and Bases

OH^-

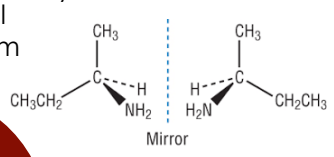
Required Practical 9



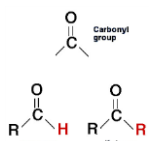
Benzene

Thermodynamics

Optical Isomerism



Carbonyl compounds – aldehydes & ketones, carboxylic acids, esters
Acyl chlorides and acid anhydrides



Required Practical 10

Rate Equations

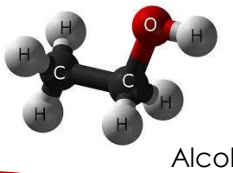
Required Practical 7

Year 13

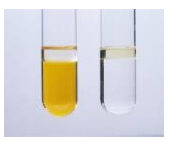
Required Practical 6

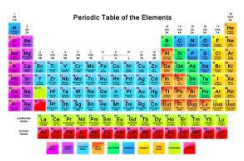
Organic Analysis

Required Practical 5



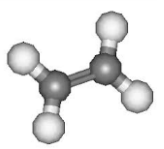
Alcohols

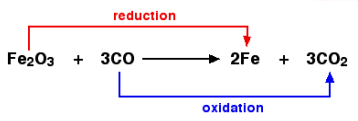




Periodicity

Required Practical 4





Redox Reactions

Group 2 – The Alkaline Earth Metals

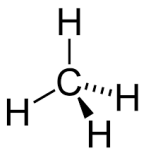
Group 7 – The Halogens

Alkenes

$wA + xB \rightleftharpoons yC + zD$

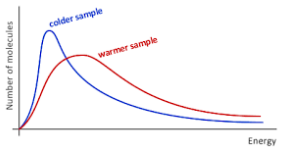
$K_c = \frac{[A]^w[B]^x}{[C]^y[D]^z}$

Equilibria and Kc

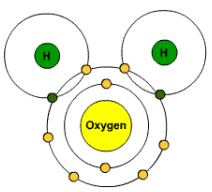


Introduction to Organic Chemistry and Alkanes

Required Practical 3

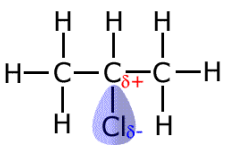


Kinetics



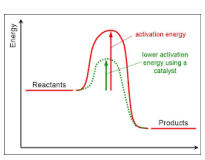
Bonding

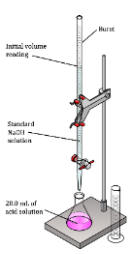
Halogenoalkanes



Required Practical 2

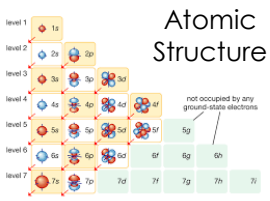
Energetics



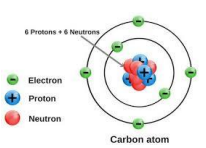


Required Practical 1

Amount of Substance



Atomic Structure



Year 12

Summer Bridging Work