

A LEVEL

CHEMISTRY A

H432 For first teaching in

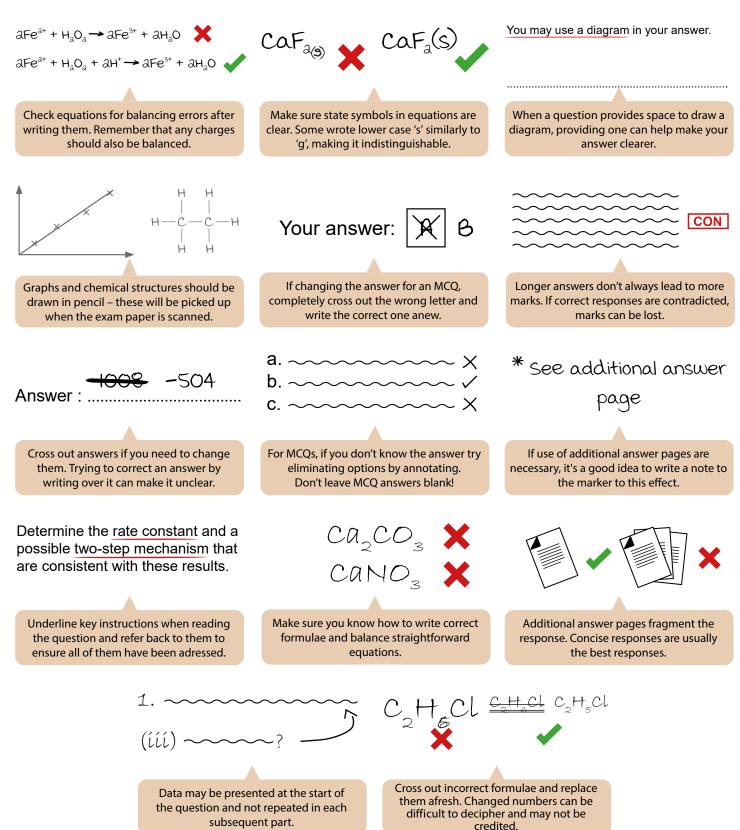
For first teaching in 2015

Exam hints for students

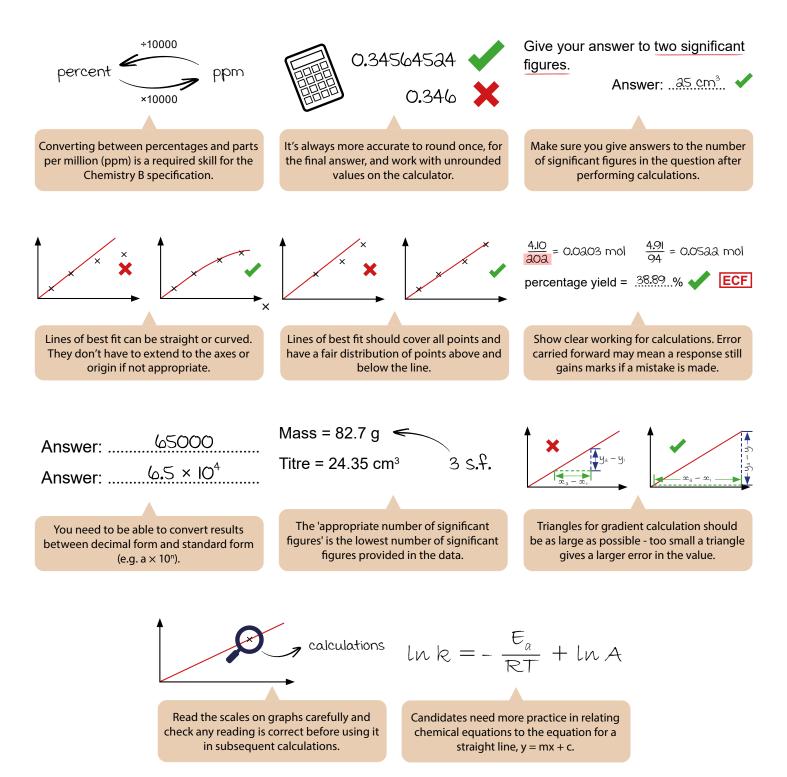


Exam hints for students

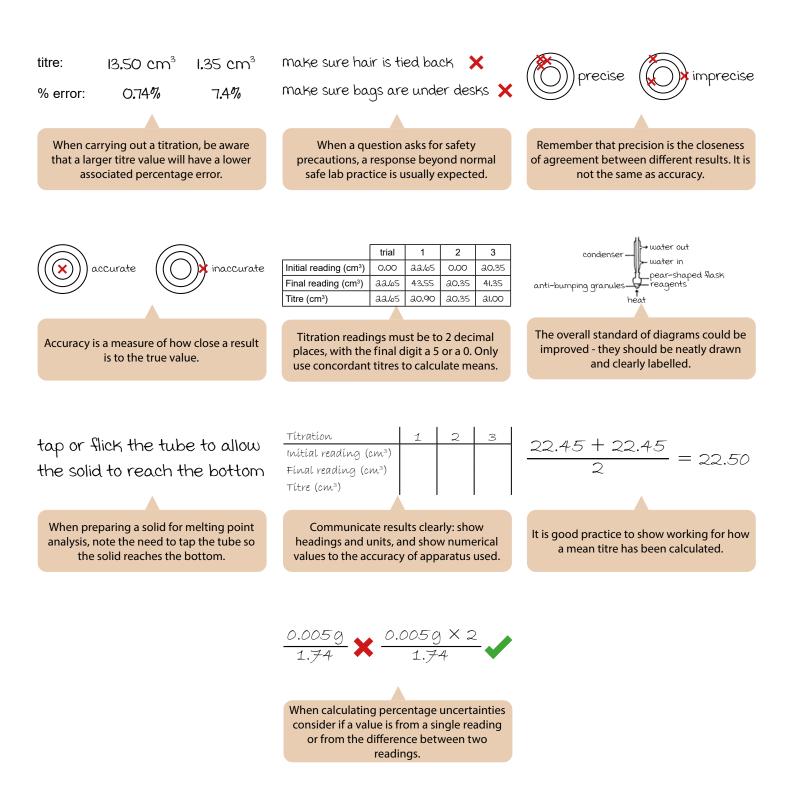




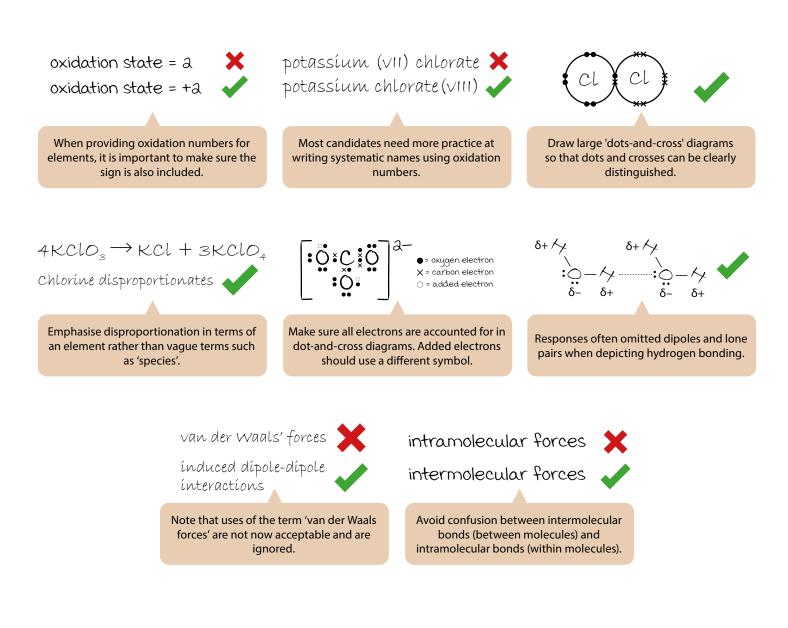




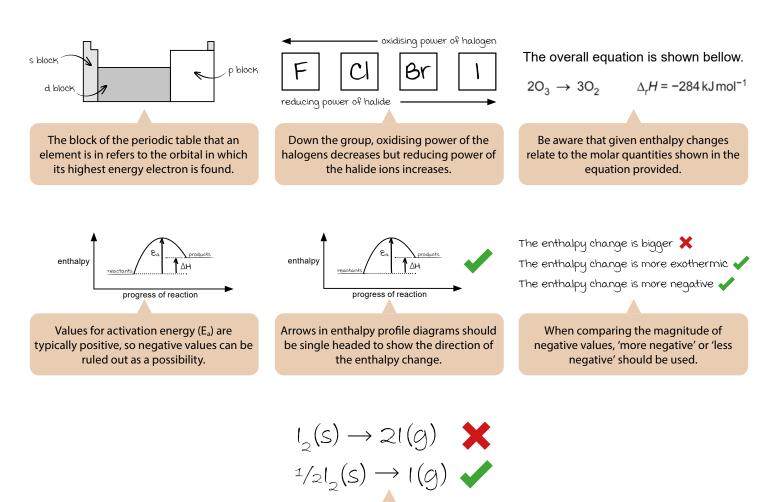
Practicals



Specification points – Module 2

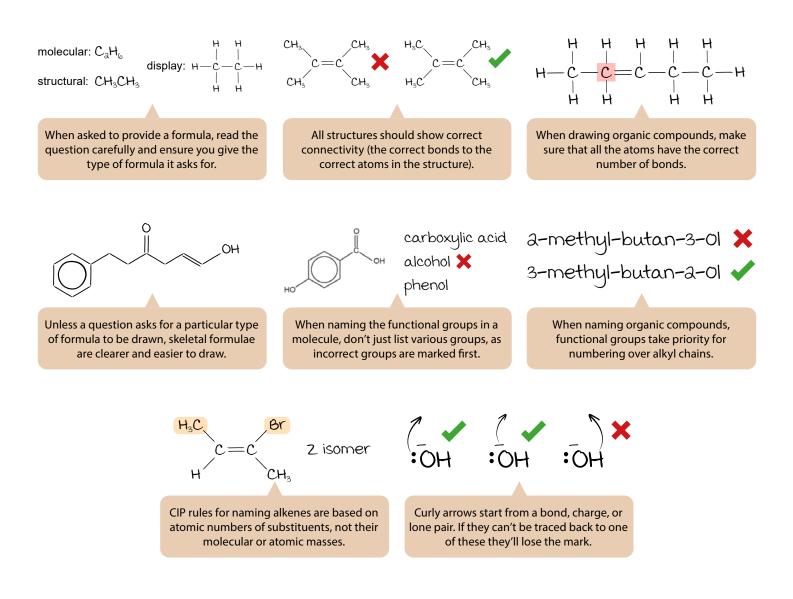


Specification points – Module 3

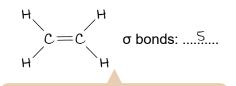


Most candidates were unable to write a correct equation for the standard enthalpy change of atomisation of iodine.

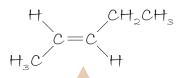
Specification points – Module 4 (1)



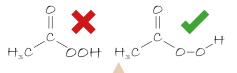
Specification points – Module 4 (2)



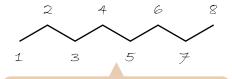
When totalling up sigma bonds in a molecule, remember double bonds are made up of a sigma bond and a pi bond.



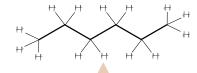
Draw displayed or structural formulae for cis/trans isomers. This helps when showing the arrangement of groups around the C=C group.



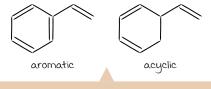
Candidates should ensure that functional groups are clearly displayed when this is specified.



Check organic formulae, as mistakes are easily made. Check the number of C atoms in skeletal formulae.

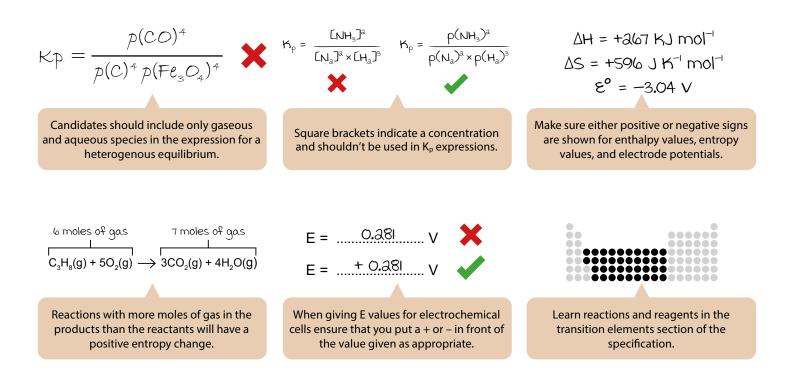


To work out organic formulae adding H atoms to skeletal formulae is a good strategy.

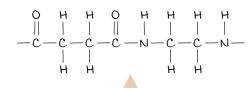


An alicylic molecule is one with a carbon ring with single or double bonds which is not aromatic.

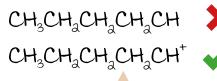
Specification points – Module 5



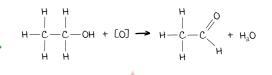
Specification points – Module 6



When asked to 'draw a section' of a protein or polymer, the end bonds of the structure should be left open.



Make sure that the positive charges on ions produced during mass spectrometry are shown clearly.



Describing a synthesis with equations along with words where possible is a good strategy to avoid writing lots of text.

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When analysing ¹H NMR spectra, using a diagram to identify the different H environments is good practice.

When analysing spectra organise answers by discussing each spectrum in turn. Analysis is made easier if candidates label the spectrum.

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