

Y12 – Analysis Checklist

Stick this checklist into your yellow book at the beginning of the topic. Tick off the topics as you cover them.		
In this module you are expected to be able to...	In Notes	Revised
<ul style="list-style-type: none">Define:<ul style="list-style-type: none">Molecular ion peakM+1 peakFragmentAbsorption		
<ul style="list-style-type: none">Use mass spectrometry to identify the molecular ion peak to determine the molecular mass of single-charged ions.		
<ul style="list-style-type: none">Explain the occurrence of the M+1 peak.		
<ul style="list-style-type: none">Understand fragmentation and predict the structure of fragment peaks within a mass spectrometry trace.		
<ul style="list-style-type: none">Use infrared spectroscopy to identify alcohols, carboxylic acids and carbonyl compounds, and identify the peaks caused by the C-H bonds of organic molecules.		
<ul style="list-style-type: none">Explain how bonds absorb infrared energy and how this can contribute to environmental effects in the atmosphere.		
<ul style="list-style-type: none">Use a combination of empirical formula, % by mass, IR and MS to suggest a structure for an unknown compound.		
<ul style="list-style-type: none">Explain how IR and MS can be used in a variety of real-world applications.		

Pre-test Evaluation

I have...	
Updated my yellow book notes	
Ensured I understand all of my notes	
Looked on the open drive for additional work	
Asked my teacher for guidance	
Confidence rating	I’m doomed! -- - = + ++ I am the BOSS!