



- ✓ I am confident that I understand this and can apply this to problems
- ? I have some understanding but I need to revise this some more
- \* I do not understand this and I need help with it

I will be successful if I can...		How well can you do this?
3 <sup>rd</sup>	Give examples of uses of the electromagnetic spectrum in Forensics	✓ ? x
	Explain why fingerprints can be used to identify someone	✓ ? x
	Analyse fingerprint samples	✓ ? x
3 <sup>rd</sup>	State where DNA is found in cells and describe its function	✓ ? x
2 <sup>nd</sup> 3 <sup>rd</sup>	Describe genes and their function	✓ ? x
3 <sup>rd</sup>	Explain why everyone's DNA is unique	✓ ? x
3 <sup>rd</sup>	Describe how to use DNA profiling to identify an individual	✓ ? x
3 <sup>rd</sup> 4 <sup>th</sup>	Discuss reasons for and against the use of DNA profiling and storing genetic information	✓ ? x
2 <sup>nd</sup>	Identify the signs of a chemical reaction	✓ ? x
3 <sup>rd</sup>	Describe the indicators of a chemical reaction	✓ ? x
3 <sup>rd</sup>	Describe the colour changes of indicators when added to acids and bases	✓ ? x
3 <sup>rd</sup>	Identify a substance as an acid, base or neutral	✓ ? x
2 <sup>nd</sup>	Describe the difference between a soluble and an insoluble substance	✓ ? x
4 <sup>th</sup>	Give examples of different solvents and how they can affect solubility	✓ ? x
3 <sup>rd</sup>	Explain when to use chromatography to separate a mixture	✓ ? x
3 <sup>rd</sup>	Describe the effects of a force on an object	✓ ? x
3 <sup>rd</sup>	Explain why friction can leave tool marks	✓ ? x
4 <sup>th</sup>	Calculate pressure using the formula: pressure = force (weight) ÷ area	✓ ? x
3 <sup>rd</sup>	Describe what happens to light when it passed through a different material e.g. glass	✓ ? x
3 <sup>rd</sup>	Give examples of everyday uses of refraction	✓ ? x
3 <sup>rd</sup>	Identify different types of lenses	✓ ? x
3 <sup>rd</sup>	Describe what happens to light when it passes through different types of lenses	✓ ? x

2 <sup>nd</sup>	Give examples of factors which affect floating	✓	?	x
4 <sup>th</sup>	Explain why some objects can float and whilst others sink	✓	?	x
4 <sup>th</sup>	State the definition of density	✓	?	x
4 <sup>th</sup>	Calculate density using the formula: density = mass ÷ volume	✓	?	x
3 <sup>rd</sup>	Describe what is meant by the mass or weight of an object or person	✓	?	x
3 <sup>rd</sup>	Calculate weight using the formula: weight = mass x gravity	✓	?	x
3 <sup>rd</sup>	Define the speed of an object	✓	?	x
3 <sup>rd</sup>	Calculate average speed	✓	?	x