

## C2 Topic 5 Analysing substances

Paper chromatography	
1. What are instrumental methods used for?	To identify elements and compounds
2. Describe instrumental methods	They are accurate, sensitive and rapid. They can be used on a very small amount of sample
3. How is chemical analysis used in food?	To identify additives
4. What is paper chromatography used for?	To identify artificial colours
Gas chromatography	
5. What does gas chromatography allow us to do?	Separate mixtures of compounds
6. What do we used in gas chromatography to help identify compounds?	The time it takes for the compound to travel through the column
7. What is a mass spectrometer used for?	To identify compounds leaving the column
8. What information can a mass spectrometer give?	The relative molecular mass of each substance that leaves the column