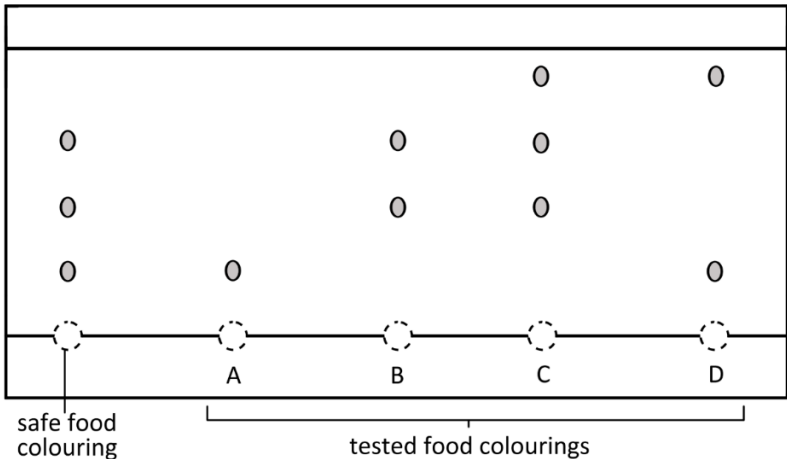


Chemistry 1 a Week Activity		Higher	5 th Week
Name:		Class: 	
State how we obtain ethanol from a mixture of ethanol and water.	Give the name of the compound C ₅ H ₁₂		
The chromatogram shows how the dyes in the colourings of food were detected and identified. 			
i. Which one of the food colourings, A, B, C or D, is made up of only one dye? ii. Which two of the food colourings, A, B, C or D, are made up of two dyes?			
Suggest the chemical name of WO ₃	Name the polymer that is made of ethene.		
Which type of fat contains a double carbon to carbon (C=C) bond?	Give the electronic configuration of an atom of calcium.		
Complete the chemical equation for the reaction by adding the state symbols. $\text{AgNO}_3 (\text{.....}) + \text{HCl} (\text{aq}) \rightarrow \text{AgCl} (\text{.....}) + \text{HNO}_3 (\text{.....})$			
In which states will ionic compounds conduct electricity?	Why does graphite conduct electricity? 		
What mass of aluminium is needed to react with 640g of iron oxide? $\text{Fe}_2\text{O}_3 + 2\text{Al} \rightarrow 2\text{Fe} + \text{Al}_2\text{O}_3$ Mass of aluminium = ...			