

Question One- Complete the table

Name	Structure	Optical isomers (Y/N)
Example: Pentan-2-one	<pre> H H H H H — C — C — C — C — C — H H H O H H </pre>	No
	<pre> H H H H H H — C — C — C — C — C — H // \ H CH₃ H H O H </pre>	
3-methyl Butan-1-ol		
	<pre> H H H OH H H — C — C — C — C — C — H H H H H H </pre>	
2-methyl propan-2-ol		

Question Two- Discuss a series of chemical tests to distinguish all the chemicals on the list above