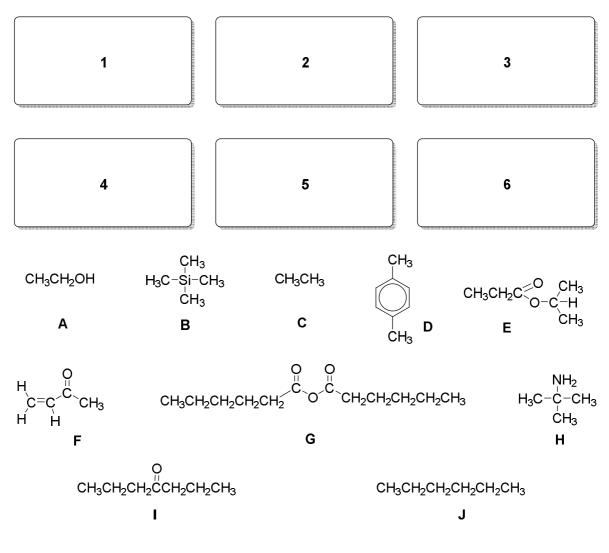


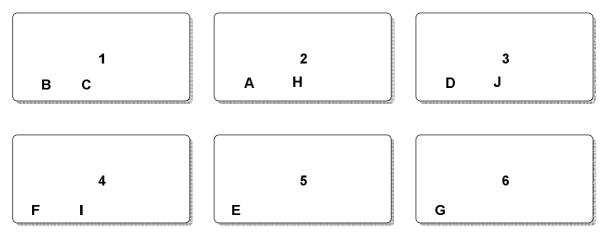
Sort the molecules below into the number of peaks that would be displayed in its 13C NMR spectrum (1 mark each).







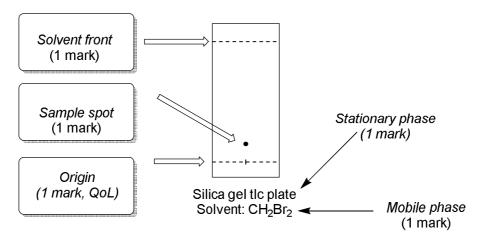
8.5 13C NMR spectroscopy



8.6 Molecular true or false

1. T 2. F 3. F 4. T 5. T 6. F 7. F 8. T 9. T 10. F

8.7 Thin layer chromatography



1 and 2 as above total = 5 marks

3. Measurement from origin to centre of spot (1 mark), measurement of origin to solvent front (1 mark) division of measurement 1 by measurement 2 (1 mark)

4. UV light (1 mark) and staining/names stain such as DNP/DCPIP (1 mark)

8.8. Gas Chromatography – Mass Spectrometry

- 1. (relative) solubility (1 mark)
- 2. The gas stream (1 mark)

