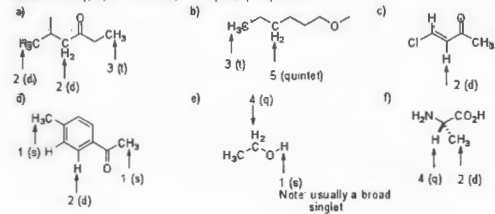
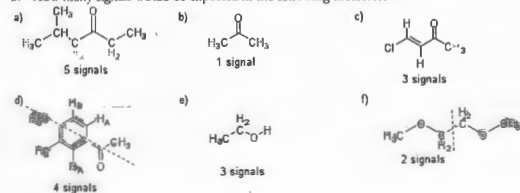


2. Give the number of peaks expected for the indicated protons in each of the following structures:

Note: s = singlet, d = doublet, t = triplet, q = quartet



3. How many signals would be expected in the following molecules?



28. propylbenzene



29. isopropylbenzene



30. 1-ethyl-4-methylbenzene



31. 1,3,5-trimethylbenzene



32. (4-chlorobutyl)benzene



33. (2-chloro-2-methylpropyl)benzene

