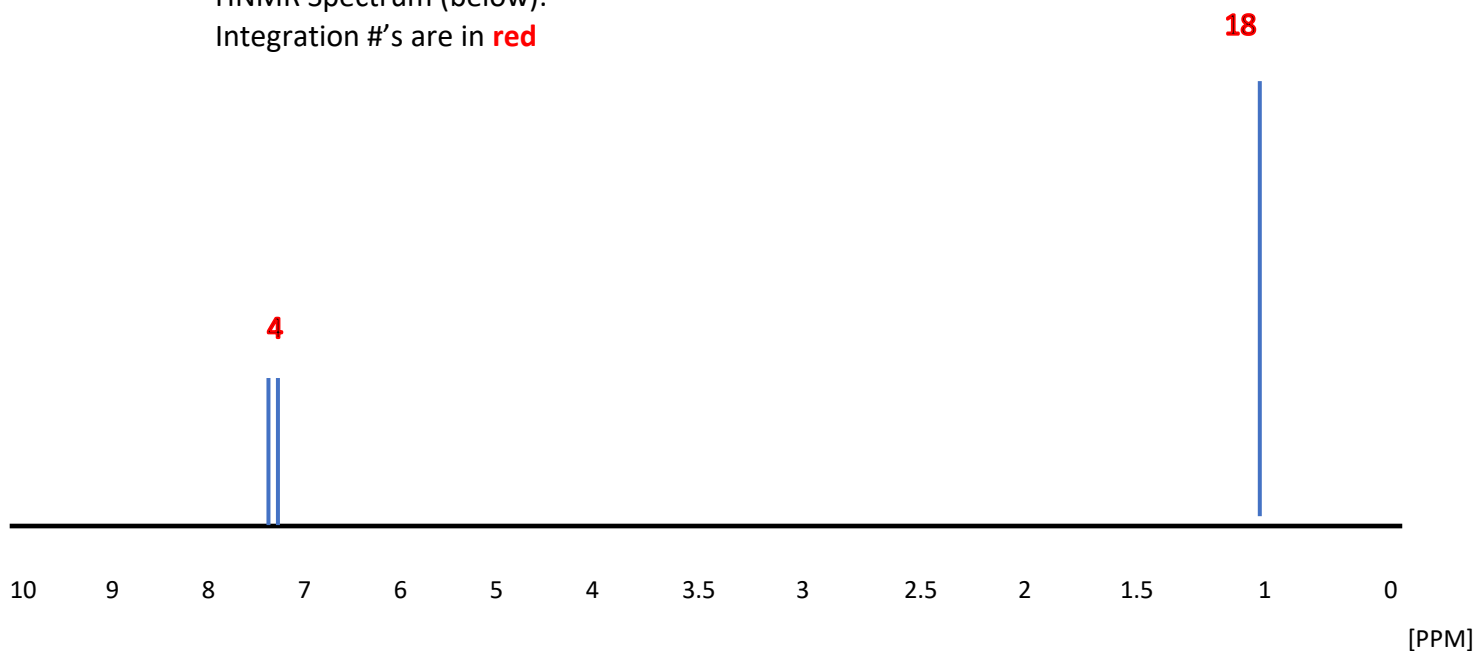# NMR #3: Working with Spectra and Deducing Structures (Part 2)

Alright, gang: NMR Part 1 was actually SO fun let's do some more ☺: PART 2 LET'S GO.
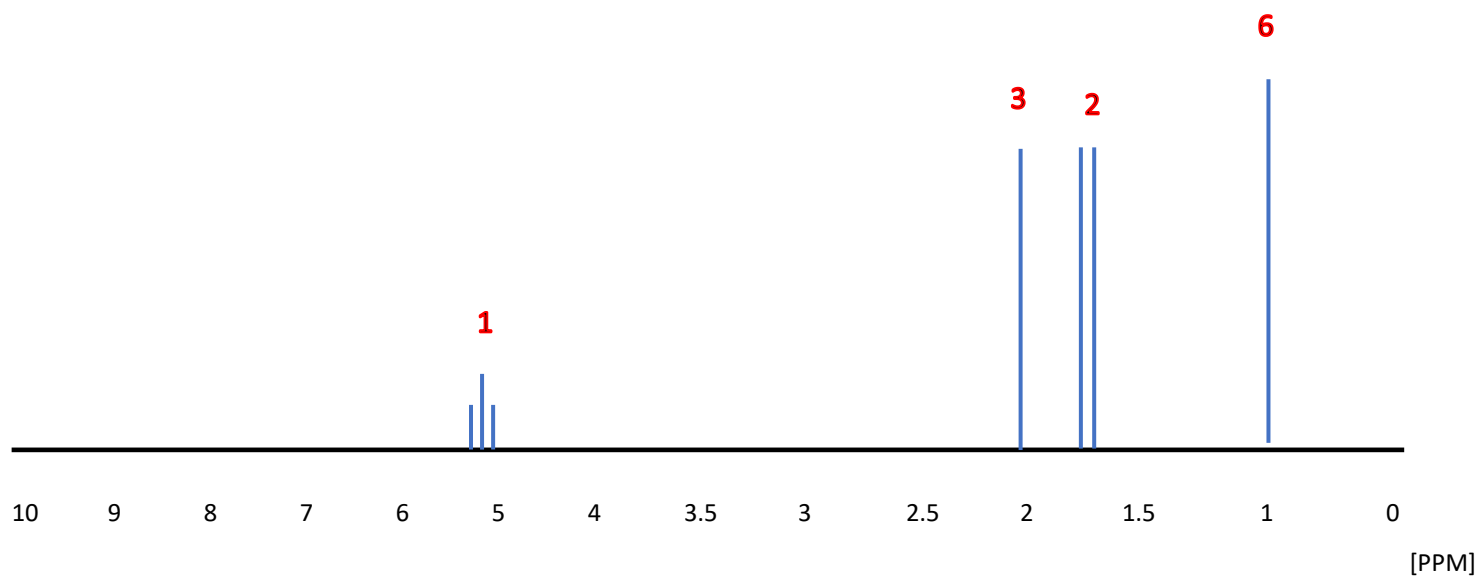
1.) Molecular Formula: $C_{14}H_{22}$
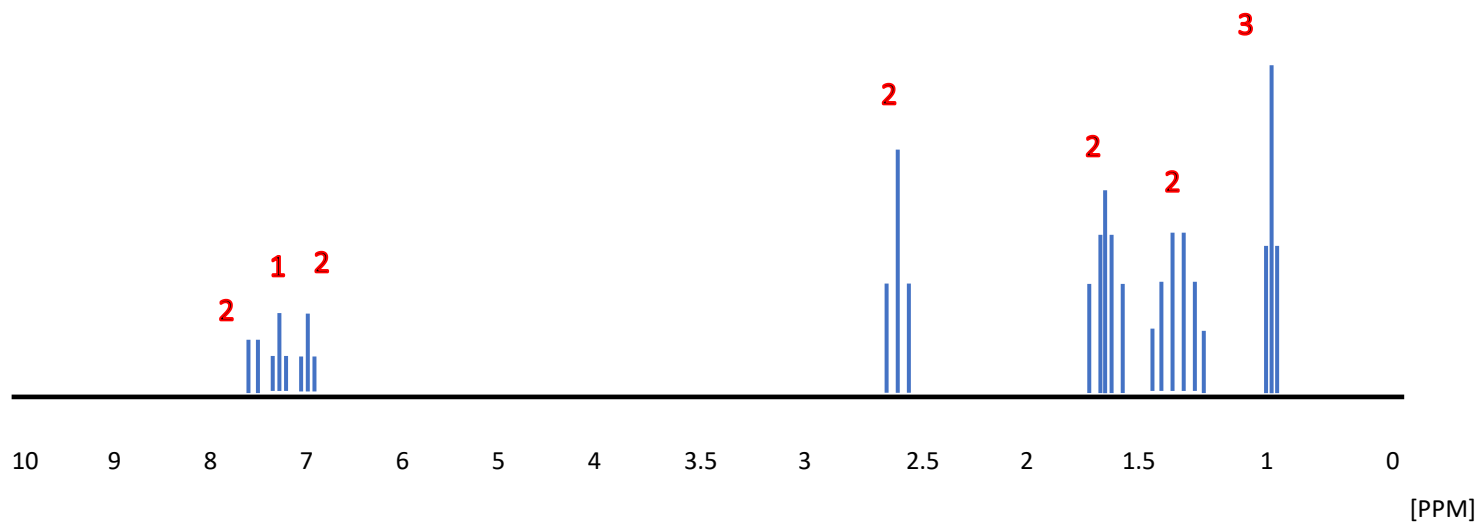   HNMR Spectrum (below):
     Integration #'s are in **red**

18

4

| 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3.5 | 3 | 2.5 | 2 | 1.5 | 1 | 0 |

[PPM]

2.) Molecular Formula: $C_7H_{12}O$
   HNMR Spectrum (below):
   Integration #'s are in **red**

10	9	8	7	6	5	4	3.5	3	2.5	2	1.5	1	0

[PPM]

3.) Molecular Formula: **C₁₀H₁₄**
HNMR Spectrum (below):
Integration #'s are in **red**

4.) Molecular Formula: **C₄H₈O₂**
HNMR Spectrum (below):
Integration #'s are in **red**

8

10	9	8	7	6	5	4	3.5	3	2.5	2	1.5	1	0

[PPM]