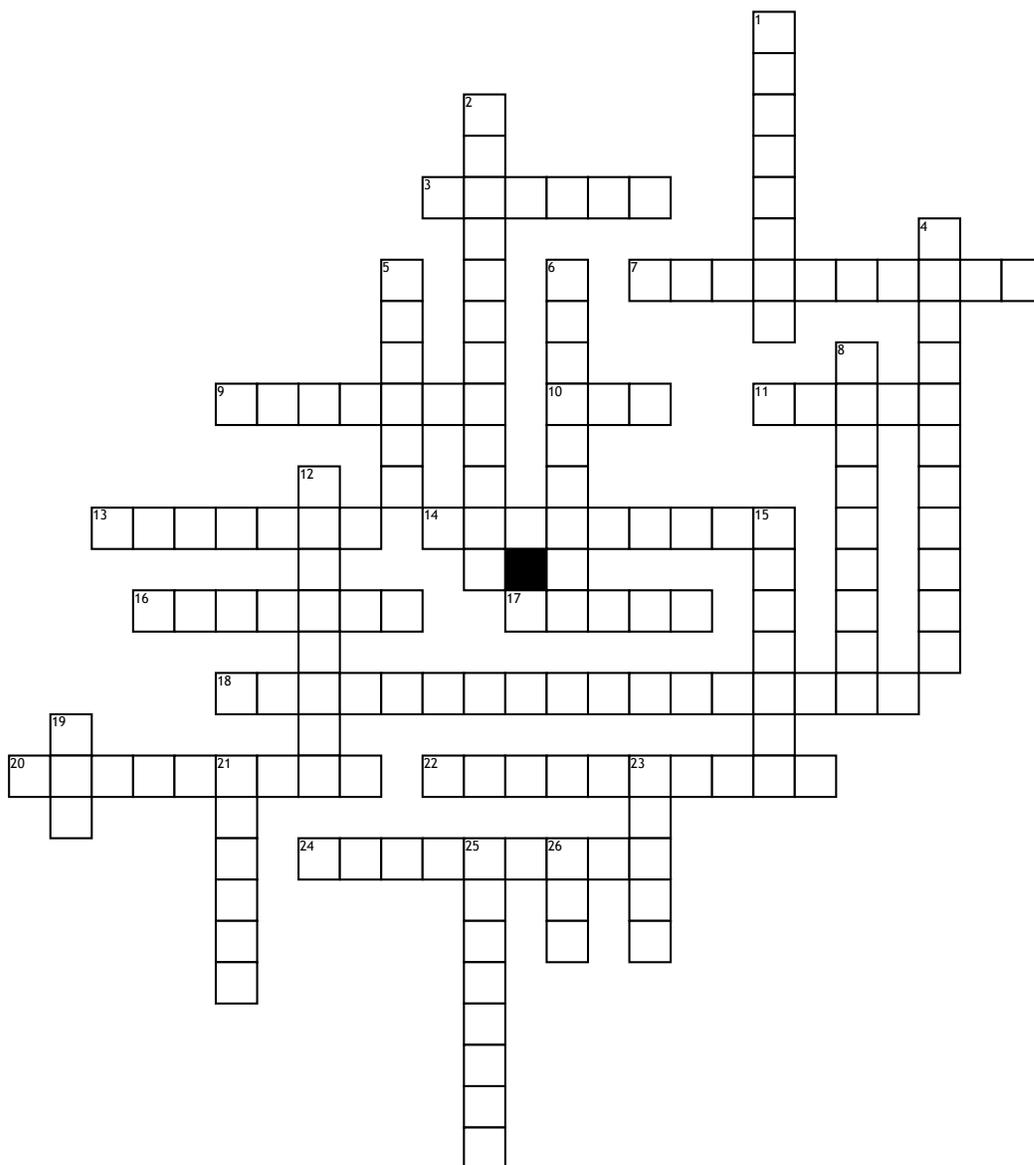


NMR Crossword



Across

3. h , which has a value of 6.26×10^{-34} J s, is referred to as _____'s constant

7. Using the DEPT method of determination _____ carbons are identified by comparing multiple _____.

9. Using the DEPT method of determination _____ carbons are identified by comparing multiple _____.

10. An NMR spectra will often follow the _____ rule.

11. H NMR acquisition requires a _____ sample.

13. Atomic nuclei with _____ spin that are aligned with the field have _____ energy.

14. A peak at a chemical shift of 2.0 is said to be _____ of TMS.

16. _____ are more shielded than alkenes.

17. J , the coupling constant, is usually measured in _____

18. In NMR the standard used to yield 0ppm is _____ (TMS).

20. Wavelength can be calculated using the speed of light, C and the _____, v .

22. In NMR spectra you get single peaks, but mostly _____

24. NMR gives information about the _____ skeleton

Down

1. _____ are in a ratio of 1:3:3:1

2. DEPT stands for Distortionless Enhancement with _____ Transfer.

4. Different chemicals absorb energy of different _____

5. A particle of light is called a _____

6. The _____ of C is 1.1%.

8. NMR uses higher _____ than IR.

12. NMR stands for Nuclear _____ Resonance.

15. We have a _____ when the signal is made up of 2 lines.

19. The term used for NMR in medicine.

21. NMR is lower than IR in _____ spectroscopy.

23. The chemical shift is measured in _____ per million, ppm.

25. C-C _____ is not seen on an NMR spectra.

26. Atomic nuclei with _____ spin that are aligned with the field have _____ energy.