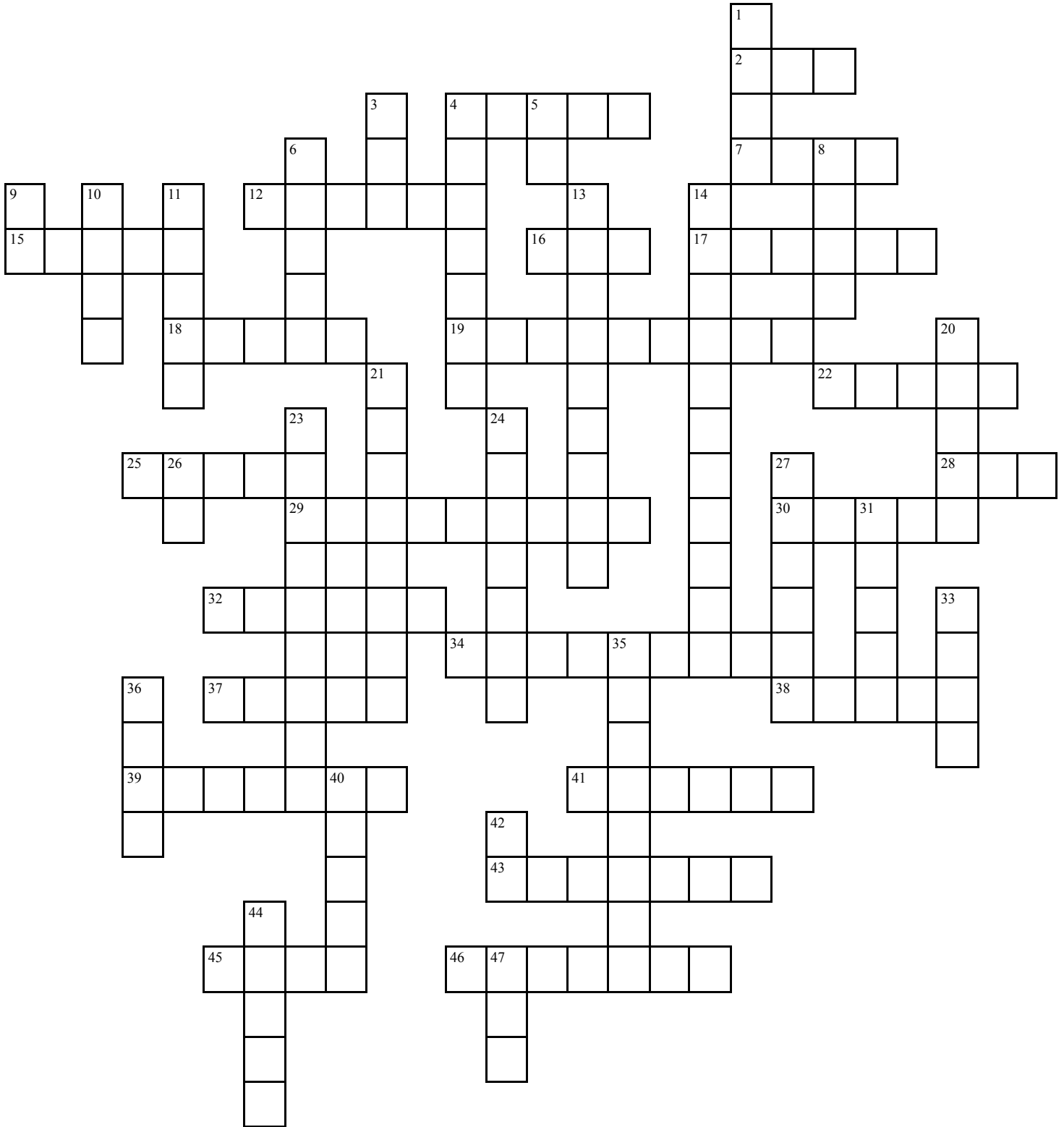


# U. of Illinois NMR Training Puzzle



**Across**

2. Type this to save
4. The probe excites spins with this
7. Location of the big magnets
12. Protons and their neighbors do this
15. One of the NMR undergrad hourlies
16. Raw data
17. Used to keep the magnet really cold
18. The name of the previous NMR director here 25 years
19. The full name of the Lab
22. The time unit prefix for pulses
25. Where Lingyang is from
28. Connector used for most NMR cables
29. The frequency unit for most NMR signals
30. The solids NMR specialist
32. The NMR staff also manages this lab
34. Where Andre is from
37. Type these two commands just after you type logon
38. Location of some special magnets
39. Maker of one of our NMRs
41. Maker of the new spectrometer
43. How spins are in a magnetic field
45. Lingyang's crazy cat
46. One of the other NMR undergrad hourlies

**Down**

1. 2D-NMR experiment for H-C correlations
3. Protons do this when excited
4. What spins do when relaxing or exciting
5. Lingyang's mellow cat
6. Type this to get started
8. A property nuclei have
9. Use this to transform data from time to frequency
10. The axis unit of the FID data
11. Coils used to make the magnetic field uniform
13. Where Dean is from
14. Where Nikki is from
20. Nearly always in the magnet from the bottom
21. The liquids NMR specialist
23. School of the same distinguished instructor
24. Distinguished former instructor of Chem 530 for 6 years
26. The basic frequency unit
27. Maker of most of our NMRs
31. In the magnet initially
33. 2D-NMR experiment that measures diffusion coefficients
35. Used to keep the magnet pretty cold
36. The NMR boss
40. NMR Lab Technical Assistant
42. Type this to stop
44. Done weekly or monthly for every magnet
47. Location of the walk-up lab