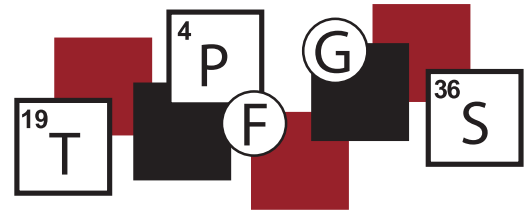


CrosswordPuzzle

Theme: Sample Preparation

by Aubrey Penn and Erica Stevens



1	2	3	4	5		6	7	8		9	10	11	12	13
14					15		16			17				
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60	61		62				63		64			65		
66		67				68								
69					70				71					
72				73								74		

Across

1. An instance of stealing
6. Machine to cut very thin sample slices
14. Possessing great bravery
16. MSA co-hosted conference initials (abbr.)
17. Written sample classification
18. A global organization for regulation and research in brain-related fields (abbr.)
19. Test to detect liver disease or bone disorders (abbr.)
21. Quick greeting
22. Coding language extended to create XHTML and RSS (abbr.)
23. Safety device to prevent fumes from reaching the user
27. Denotation for ionization energy of atoms (abbr.)
28. What water needs to do during plunge freezing of a cryoEM sample
29. Insect often confused with a bee
31. Embed a protein in heavy metal salt for electron microscopy
35. One who sees something
36. Common start to a simile
37. Singular
38. Balance between relevant and irrelevant measurement readings (abbr.)
39. Weight measure (abbr.)
41. Frequent
44. Multiple machines that use a rastered, focused beam of electrons to create an image
46. _____ films, for polishing samples
49. Toxic functional group (abbr.)
51. Freezing liquid used to facilitate the process in 28 Across
53. With -ism, a harmonious Chinese philosophical tradition
54. Flatbread in Indian cuisine
55. Blood group system (abbr.)
57. An offensive position in American football (abbr.)
59. Midwestern US state bordering Canada and Lake Superior
60. "Then" partner in programming
62. Noise of mild admonishment
63. Liquid transfer device (pl.)
66. Infection focal point where bacteria may develop
68. Cryogenic probe by JEOL
69. Adhesive between two objects, as in conventional TEM sample prep
71. Reverberate
72. Kill switch (abbr.)
73. Glue
74. Sass

Down

1. Thinness indicator in polished TEM samples
2. Projectile with a plastic explosive (abbr.)
3. Seabird
4. Polymer grid coating
5. Calculator company (abbr.)
7. Alludes to
8. 0.39 inches
9. Potpourri
10. Job for a grad student (abbr.)
11. North Carolina islands (abbr.)
12. Often-copied and frequently shared internet media
13. Squashed circle
15. Desert plant (pl.)
20. The immature phase for a 29 Across
21. Hall of fame baseball pitcher Wilhelm
24. Collection of public technical and research universities across India (abbr.)
25. Outdated proprietary file system developed by Apple (abbr.)
26. Magnetic resonance imaging type relying on the motion of water molecules for contrast (abbr.)
30. Soon
32. Eyes, poetically
33. Seed
34. Take notice! (abbr.)
40. Background scan
41. Co-____ gameplay
42. Preparation with beam of ions (abbr.)
43. For example
45. Stone simulacrum
47. English article
48. Confuse
49. Appearance
50. Unable to slide easily
52. Challenge or obstacle
56. Chart-topper
57. Instruct
58. Scratch the surface
61. Movie
64. ____ fix, an addition to the beginning of a word
65. Specialized implement to complete a task
67. Two musicians performing together
68. One (Sp.)
70. Ownership of an original idea (abbr.)

Answers to the crossword puzzle can be found on page 72.

MT



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TODAY

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