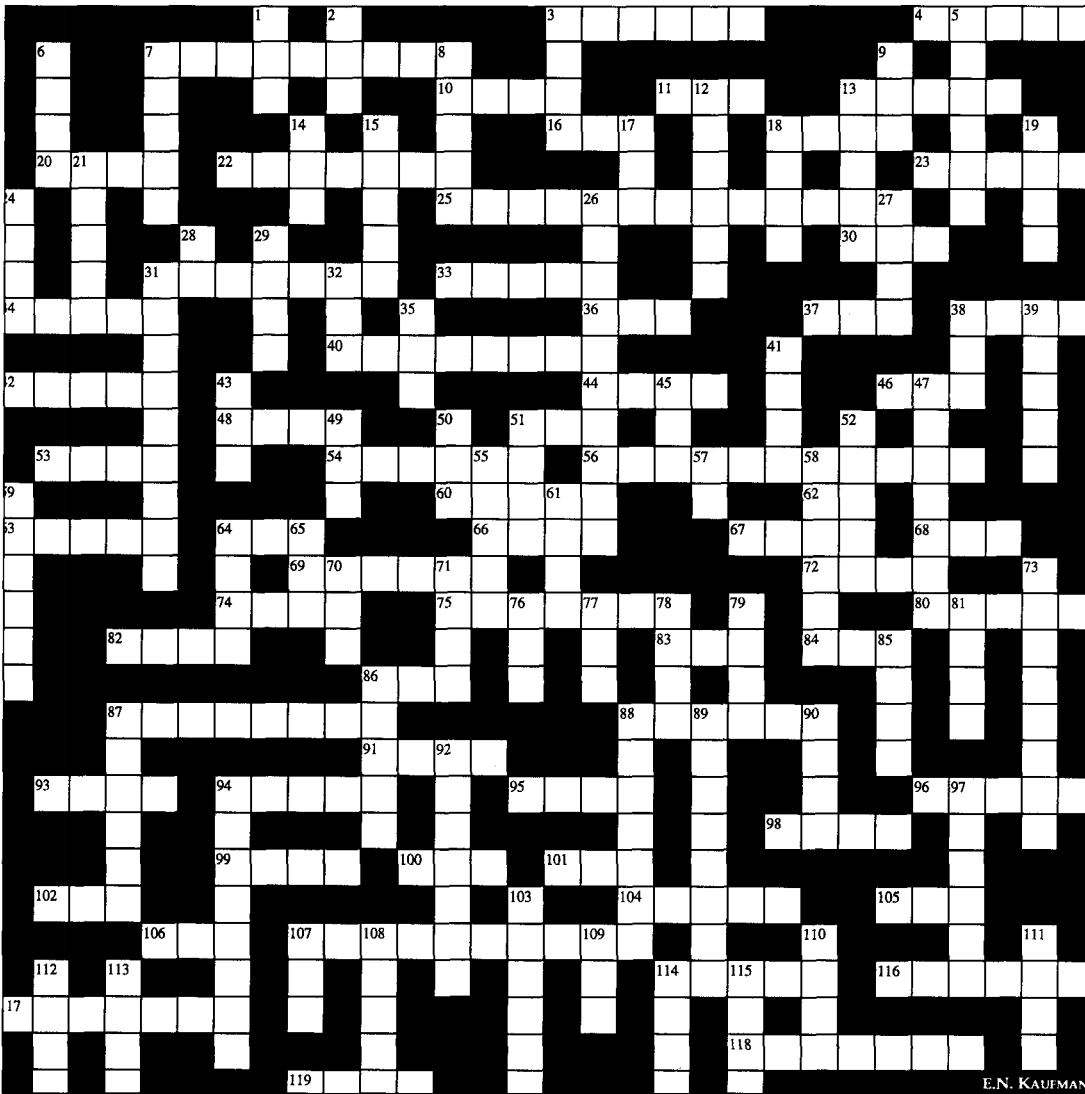


# No Cross Words for Materials



E.N. KAUFMAN

- 31 His reciprocal zone
- 32 How adsorbates get a charge out of light
- 35 Thermal technique (abbr.)
- 38 Hopkinson split it
- 39 Rectifier
- 41 A diffraction pattern
- 43 MRS exec (initials)
- 45 A scanning probe technique (abbr.)
- 47 Von Hippel laureate
- 49 A resonance method of orbital proportions (abbr.)
- 50 Spectroscopy using charged atomic projectiles (abbr.)
- 51 His voltage is transverse
- 52 Kind of composite
- 55 A theory
- 57 \_\_\_\_\_ initio
- 58 Not axial
- 59 Accomplish or implement
- 61 Element's smallest unit
- 64 Aurum
- 65 Chemical congregation (org. abbr.)
- 70 Association of light (org. abbr.)
- 71 Tiring electron spectroscopy (abbr.)
- 73 Recipient
- 76 Resounding whirling of electrons (abbr.)
- 77 In-microscope analysis option (variant abbr.)
- 78 Pressure unit
- 79 Liquify
- 81 Hole
- 85 Particle's alter ego
- 86 Larger than meso or a little bit of code
- 87 Heat treat to bind
- 88 Rapid \_\_\_\_\_ processing
- 89 Foreign visitor
- 90 Group that deals with rust (org. abbr.)
- 92 Kind of flow
- 94 Do it according to Bragg
- 97 Of Democritus' units
- 103 Argentum
- 107 Blend
- 108 Koch and Thompson
- 109 Spectroscopy of x-ray proxies (abbr.)
- 110 A constant of adiabaticity
- 111 Uniting force
- 112 Jog in a step
- 113 Flex
- 114 Von Hippel laureate
- 115 Unit of lattice or organism

**ACROSS**

- 3 d'Ore
- 4 Von Hippel laureate
- 7 Arthur's award
- 10 Send out
- 11 A TV band
- 13 Scope for small things (prefix)
- 16 A resonance method of intrinsic proportions (abbr.)
- 18 Profound
- 20 First 90-degree superconductor (abbr.)
- 22 Von Hippel laureate
- 23 Bound duo
- 25 Smectic, for one
- 30 Cool source of photons (abbr.)
- 31 Crisp or flakey
- 33 Pane ingredient
- 34 \_\_\_\_\_ bar
- 36 Gasless in the extreme (abbr.)
- 37 Deposition method (abbr.)
- 38 \_\_\_\_\_-centered
- 40 \_\_\_\_\_ friction
- 42 Not radial
- 44 Parent of "Science" (abbr.)
- 46 Really really big electromagnetic effect (abbr.)
- 48 Hard biomaterial
- 51 A HIP adjective
- 53 Millimicro

**DOWN**

- 54 Charged gas
- 56 Journal \_\_\_\_\_ Research
- 60 \_\_\_\_\_ cell
- 62 Prefix of cgs electromagnetic units
- 63 Prime mover at Chicago pile
- 64 Pressure unit (abbr.)
- 66 A fleeting and penetrating spectroscopy (abbr.)
- 67 Transverse electric \_\_\_\_\_
- 68 Charge carrier
- 69 \_\_\_\_\_ break
- 72 Ferrum
- 74 As opposed to gain
- 75 Periodic table component
- 80 \_\_\_\_\_ group
- 82 Method determines super-ficial structure (abbr.)
- 83 It's mined
- 84 \_\_\_\_\_ cycle fatigue
- 86 Our association
- 87 Topical \_\_\_\_\_
- 88 Heart of heaviest hydrogen
- 91 A type of work
- 93 Jazz or conduction
- 94 Contributor
- 95 \_\_\_\_\_-centered
- 96 Sublime product
- 98 Between micro and macro
- 99 Coating or cinema
- 100 Least-squares, for one
- 101 Metallurgists' magazine
- 102 Really big electromagnetic

**DOWN**

- 104 Ripening
- 105 Elemental ending (suff.)
- 106 The *Bulletin's* archival companion (abbr.)
- 107 As opposed to electrical
- 114 Hertz-second
- 116 Lithographic line-width unit
- 117 As opposed to potential
- 118 Crystal atoms occupy it
- 119 Source of inertia
- 1 Von Hippel laureate
- 2 One phase of epitaxy (abbr.)
- 3 Circuit throttle
- 5 Result of stress
- 6 \_\_\_\_\_ fluorescence
- 7 Steam, for one
- 8 Fermi \_\_\_\_\_
- 9 Form without heat (abbr.)
- 12 Leamy and Gatos
- 13 Lustrous conductor
- 14 Method of growing registered layers (abbr.)
- 15 A candle's power
- 17 Ruby region
- 18 Pin-on-\_\_\_\_\_
- 19 Join
- 21 Von Hippel laureate
- 24 Not coarse
- 26 They don't conduct themselves well at all

