

International Union of Crystallography

Keywords for the Database of Crystallographers and the *World Directory*

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The International Union of Crystallography will set up a world database of crystallographers. The next issue of the *World Directory* will be a by-product of this database.

The aim is to allow any scientist to retrieve useful information on other scientists: addresses, interests The database will be accessed by e-mail and later *via* telnet sessions. Security will be enforced to ensure that the data are not used for non-scientific purposes.

One of the main uses is to find specialists on given topics. This means that it will be possible to search the database by keywords and these must be defined in advance. The present list has been established on the basis of the keywords used in the eighth edition of the *World Directory*. Some additional keywords corresponding to new fields have been added. Some, too specific or misspelled, have been suppressed. Altogether there are about 1500 keywords.

Scientists will be able to use their own keywords for a better definition of their fields of interest but electronic searching of the database will be based on **this printed list**.

The collection of data will start at the beginning of 1993 and instructions will be distributed by the national Sub-Editors.

The list is divided into three parts: – *Methods, Properties and Applications* – *Compounds* – *Attributes*. The *Attributes* list must be used in conjunction with the other two lists and defines additional keywords for a better description of entries in those lists.

I hope that everybody will find appropriate definitions in the present lists. For maximum efficiency of the search process it is necessary to bear in mind that a too strict definition will be useless. This is one of the key points for the success of this database.

Methods, Properties and Applications

This list contains the keywords for methods of study, properties (physical, chemical, biological, . . .) and applications. It may be used with words defined in the *Attributes* list.

Aberation	Antiphases	Biomaterial	Chelation	Computer sciences
Absolute configuration	Anvil cell	Biomechanics	Chemisorption	Computer technology
Absolute structure	Aperiodic material	Biomolecule	Chemistry	Computing
Absorption correction	Apparatus	Biophysics	Chemometrics	Condensed matter
Absorption edge	Archeology	Biosynthesis	Chemotaxis	Conductivity
Absorption spectroscopy	Archeometallurgy	Birefringence	Chemotherapy	Conductor
Accuracy	Archeometry	Bloch structure	Chirality	Conformation
Accurate intensity	Area detector	Bloch wall	Chromatography	Conformational change
Acoustics	Art conservation	Bond length	Circular dichroism	Contaminant clean-up
Acoustooptics	Arthropatic disease	Bond method	Classification	Contractile system
Activity	Artificial intelligence	Bond order	Clinker	Contrast
Adhesion	ARUPS	Bonding	Close packing	Control
Adrenergics	ASAXS	Born approximation	Cloud physics	Convective heat
Adsorbate	Association theory	Borrmann absorption	Clustering	Convergent-beam diffraction
Adsorption	Astronomy	Boundaries	Coagulation	Cooperative interaction
AEM	Astrophysics	Bragg intensity	Coalification	Cooperative phenomena
Aerodynamics	Asymmetric synthesis	Bravais lattice	Coarsening	Coordination
Aerosol	Asymmetry	Bridgman Stockbarger technique	Coating	Corrosion
Aerospace	Athletic medicine	Brillouin spectroscopy	Codification	Cosmochemistry
AES	Atomic weight	Burial diagenesis	Cohesion	Crack
Affinity	Attenuation coefficient	Calcification	Cohesive energy	Cracking
Ageing process	Auger spectroscopy	Calibration	Colour center	Creep
Agriculture	Automation	Calorimetry	Colour symmetry	Critical phenomena
Algorithm	Autometasomatism	Camera	Combinatorial theory	Cross section
ALISUVAX	Back-reflection	Carboxylation	Combustion	Cryogenics
Allostery	Ballistic	Carcinogenesis	Complexation	Crystal field
Alteration	Band calculation	Catalysis	Compliance sampling	Crystal force
Amorphization	Basicity relationship	Centrosymmetry	Compression	Crystal form
Amorphous phase	Battery	Chandler wobble	Compton scattering	Crystal growth
Analgesics	Bijvoet absorption edge	Channelling	Computer	Crystallinity
Anharmonicity	Biochemistry	Characterization	Computer-aided education	Crystallite
Anisotropy	Biocoordination	Charge density	Computer architecture	Crystallization
Annealing	Biocrystallography	Charge-density wave	Computer-assisted design	Crystallogeny
Anomalous dispersion	Bioelectret	Charge localization	Computer automation	Crystallography
Anomeric effect	Bioenergetics	Charge transfer	Computer graphics	CVD
Antiferroelectricity	Biology		Computer management	Cycloaddition
Antiferromagnetism			Computer modelling	Czochralski technique

- Damage
 Data collection
 Data processing
 Database
 Debye Scherrer
 Debye temperature
 Deby Waller factor
 Decay
 Decomposition
 Deconvolution
 Decoration
 Defect
 Deformation
 Densitometry
 Density distribution
 Depolarization
 Deposition
 Derivative structure
 Design
 Desmearing
 Detector
 Devitrification
 Diagnostic
 Dielectrics
 Differential thermal analysis
 Diffraction
 Diffraction data
 Diffraction technique
 Diffraction theory
 Diffractometer
 Diffractometry
 Diffuse scattering
 Diffusion
 Digital signal processing
 Diode
 Direct method
 Dirichlet domain
 Discrete mathematics
 Dislocation
 Disorder
 Dispersion
 Dispersive system
 Displacive modulation
 Dissolution
 Distribution functions
 Divergent-beam method
 Documentation
 Domain structure
 Dosimetry
 Doublet separation
 Drug
 DSC
 DTA
 Dynamical diffraction
 Dynamical property
 Dynamics
 Economy
 Edaphology
 EDAX
 EDS
 Education
 EDX
 EELS
 EF hand
 Elasticity
 Electrochemistry
 Electrocrystallization
 Electrodeposition
 Electrofusion
 Electrolysis
 Electroluminescence
 Electromechanics
 Electron beam
 Electron microscope
 tomography
 Electron microscopy
 Electron probe micro-
 analysis
 Electronics
 Electronic spectrum
 Electron spin resonance
 Electrooptics
 Electrophotography
 Electroporation
 Electrostatic potential
 Electrostatics
 Embrittlement
 Endocrinology
 Energetics
 Energy
 Energy band
 Energy conversion
 Energy-dispersive analysis
 Energy loss
 Energy transduction
 Engineering
 Entropy
 Environment
 Environmental cracking
 Environment protection
 Epitaxy
 EPR
 ESCA
 Etching
 EXAFS
 Exciton
 Expert system
 Exsolution
 Extinction
 Extraction
 Extremal condition
 Failure analysis
 Fankuchen effect
 Fast chemical reaction
 Fatigue
 Fault
 Fermion
 Ferroelasticity
 Ferroelectricity
 Field calculation
 Field displacement
 Field ion microscopy
 Field ionization
 Field theory
 Film
 Filter
 FIR
 Fission product
 Fitting
 Fixation
 Flash X-ray diffraction
 Float zone growth
 Flotation
 Fluorescence
 Flux
 Focused ion beam
 Folding
 Forbidden reflection
 Force
 Force constant
 Force field
 Form
 Formability
 Form factor
 Four-dimensional
 crystallography
 Fourier transform
 Fractal
 Fracture
 Framework structure
 Free energy
 FTIR
 Fuel cell
 Function
 Funding
 Furnace
 Gamma ray
 Gap junction
 Gasification
 Gemology
 Genesis
 Geochemistry
 Geochronology
 Geodynamics
 Geology
 Geomagnetism
 Geometry
 Geometry analysis
 Geomorphology
 Geophysics
 Geosciences
 Geotechnics
 Germination
 Gerontology
 GIXS
 Glaciology
 Goniometry
 Graphics
 Graph theory
 Grazing incidence
 Group theory
 Growth
 Hall effect
 Hardening
 Hardness
 Heat transfer
 Heavy atom
 Heavy fermion
 Heterophase
 Heterostructure
 High energy
 High-energy electron
 diffraction
 High-energy electron
 microscopy
 High field
 High-precision diffractom-
 etry
 High-precision structures
 High pressure
 High purity
 High-resolution diffractom-
 etry
 High-resolution electron mi-
 croscopy
 High temperature
 High voltage
 Histocompatibility
 History
 Hole centre
 Holography
 Homology
 Homophase
 Hydration
 Hydrodynamics
 Hydroelectrodynamics
 Hydrogen bonding
 Hydrolysis
 Hydrotreating
 Ideal structure
 Identification
 Image processing
 Image reconstruction
 Imaging
 Immune regulation
 Immunoassay
 Immunobiology
 Immunochemistry
 Immunodeficiency
 Immunology
 Imperfection
 Implantation
 Impurity
 Inclusion
 Incoherent scattering
 Incommensurate
 Indexing
 Industry
 Inelastic scattering
 Information science
 Information storage
 Information system
 Infrared
 Infrared detector
 Inhibition
 Inhibitor
 Instability
 Instrumentation
 Integrated circuit
 Integrated optics
 Intensity
 Interaction
 Interatomic distance
 Intercalation
 Interface
 Interference
 Interferometry
 Intermediate phase
 Internal friction
 International Tables for
 Crystallography
 Inverse problem
 Ion beam
 Ion exchanger
 Ionic conductivity
 Ion implantation
 Irradiation
 Isomorphism
 Isomorphous replacement
 Jahn Teller effect
 Kikuchi effect
 Kinetics
 Kohn anomaly
 Kossel diffraction
 Langmuir Blodgett film
 Langmuir monolayer
 Laser
 Lattice distortion
 Lattice dynamics
 Lattice energy
 Lattice parameter
 Lattice stability
 Lattice vibration
 Laue diffraction
 Laue group
 Law
 Layer
 LCAO method
 Least-squares refinement
 LEED
 Light
 Light scattering
 Limnology
 LIMS
 Linear algebra
 Linear dichroism
 Line broadening
 Line profile
 Line profile analysis
 Liquid state
 Lithogeochemistry
 Lithography
 Local order
 Logics
 Low energy
 Low-energy electron
 diffraction
 Low pressure
 Low temperature
 Luminescence
 Madelung factor
 Magnetic domain
 Magnetic recording
 Magnetic resonance
 Magnetic susceptibility
 Magnetism
 Magnetization density
 Magnetochemistry
 Magnon
 Management
 Massively parallel com-
 puting
 Mathematics
 Maturation
 Maximum-entropy method
 MBE
 MCZ
 Measurement
 Mechanics
 Mechanism
 Medicine
 Melting
 Metabolism
 Metallogenesis
 Metallography
 Metallurgy
 Metamorphism
 Methodology
 Methylation
 Metrology
 Microanalysis
 Microbeam analysis
 Microcomputer
 Microcoscopy
 Microcrystal
 Microcrystallography
 Microdiffraction
 Microelectronics
 Microfilming

- Microgravity
 Microlithography
 Micromagnetism
 Micrometre scale
 Micromethod
 Micromorphology
 Microprocessor
 Microscopy
 Microstrain
 Microstructure
 Microtexture
 Microtomography
 Microwave
 Mineralization
 Mineralogy
 Minimization
 Mining
 Mirrors
 Miscibility
 Misorientation
 Mobility
 MO calculation
 Modelling
 Modulated structures
 Moire
 Molecular beam
 Molecular crystal
 Molecular mechanics
 Molecular rectifier
 Molecular replacement
 Molecular vibration
 Momentum density
 Momentum distribution
 Monitoring
 Monochromator
 Monocrystal
 Monolayer
 Monte Carlo
 Morphology
 MOS
 Mosaicity
 Mossbauer
 Motion
 Multibeam
 Multicrystal
 Multidomain
 Multilayer
 Multiphase
 Multiple-crystal diffractometry
 Multiple scattering
 Multislice method
 Mutagenesis
 Mycology
 Nanoanalysis
 Neurochemistry
 Non-destructive analysis
 Non equilibrium
 Non-linear property
 Nonstoichiometry
 NPR
 NQR
 Nuclear filter
 Nuclear fusion
 Nuclear magnetic resonance
 Nuclear reactor
 Nucleation
 Number theory
 Nutrition
 Occupancy
 OD
 Oncology
 One dimension
 Ontogeny
 Optical activity
 Optical property
 Optical transform
 Optics
 Optimization
 Optoelectrical property
 Optoelectronics
 Orbital calculation
 Order
 Order-disorder
 Ordered structure
 Ordering
 Orientation
 Orogenic belt
 Oscillation camera
 Ostwald ripening
 Overcrowding
 Oxidation
 Packing
 Paleomagnetism
 Paracrystal
 Paragenesis
 Paramagnetic resonance
 Paramagnetics
 Parameter
 Patent
 Pattern recognition
 Patterson method
 Perfect crystal
 Perfection
 Performance
 Pericyclic reaction
 Permittivity
 Petrography
 Petrology
 Pharmacology
 Phase determination
 Phase diagram
 Phase equilibrium
 Phase formation
 Phase kinetics
 Phase refinement
 Phase separation
 Phase transition
 Philosophy
 Philosophy of science
 Phonon resonance
 Phonon softening
 Photochemistry
 Photochromism
 Photoconductivity
 Photodimerization
 Photoelasticity
 Photoelectron
 Photoemission
 Photogeology
 Photography
 Photon effect
 Photoreaction centre
 Photorearrangement
 Photorefraction
 Photostimulated process
 Photosynthesis
 Phylogeny
 Physical property
 Physics
 Physiology
 Pi electron
 Piezoelectricity
 Pigment
 Pitch
 Planar defect
 Planetology
 Planning
 Plasmon
 Plastic flow
 Plasticity
 Plastics
 Platelet
 Point defect
 Point group
 Poisoning
 Polarity
 Polarization
 Polarization microscopy
 Polarized neutron
 Pole figure
 Pollution
 Polycrystal
 Polymerization
 Polymorphism
 Polytypism
 Porosity
 Positron annihilation
 Potential energy
 Powder
 Precession
 Precipitation
 Precise measurement
 Prediction
 Preparation
 Pressure
 Processing
 Profile analysis
 Proportional counter
 Prosthesis
 Pseudomorphism
 Pseudosymmetry
 Publishing
 Pulsed neutron
 Purification
 PVD
 Pyroelectricity
 QSAR
 Quadrupole resonance
 Qualitative analysis
 Quantum mechanics
 Quasicrystal
 Radiation
 Radiation protection
 Radioactivity
 Radiochemistry
 Radiotracer
 Raman
 Random phasing method
 Random system
 Random walk
 Rayleigh scattering
 Reactivity
 Real crystal
 Real structure
 Real-time control
 Real-time imaging
 Rearrangement
 Receptor
 Recognition
 Recombination
 Reconstruction
 Recrystallization
 Refinement method
 Reflectance
 Reflected light microscopy
 Reflectivity
 Refractive index
 Regulation
 Relaxation
 Reliability
 REM
 Remote control
 Repair
 Replacement
 Replication
 Representation theory
 Research
 Residual electron density
 Residual stress
 Resistivity
 Resonance
 Resonance spectrometry
 Resonant scattering
 Restrained least squares
 Reversible reaction
 RHEED
 Rietveld method
 Rigid-body analysis
 Risk assessment
 Rocking curves
 Rotatory dispersion
 Safety
 Satellite reflection
 SAXS
 Scale factor
 Scale mechanism
 Scanning electron microscopy
 Scanning tunnel microscopy
 Scattering
 Scattering factor
 Scattering method
 Sciences
 Search and match
 Secondary bonding
 Secondary electron emission
 Sedimentation
 Seismology
 Selectivity
 Semiconductor
 Semi-empirical calculation
 Sensor
 Sequencing
 Service
 Shape
 Shape memory
 Shock metamorphism
 Shock wave
 Short hydrogen bond
 Short-range order
 SIMS
 Simulation
 Simultaneous diffraction
 Single crystal
 Sintering
 Size distribution
 Size effect
 Slow neutron
 Small-angle scattering
 Soft mode
 Software
 Soft X-ray
 Solar cell
 Solar collector
 Solar energy
 Solidification
 Solid phase
 Solid solution
 Solid state
 Solubility
 Solution
 Sorption
 Sound propagation
 Space
 Space group
 Space processing
 Specific heat
 Spectrography
 Spectrometry
 Spectrophotometry
 Spectroscopy
 Spectrum analysis
 Spin
 Spin density
 Spinel
 Spin resonance
 Spin wave
 Sport
 Sputtering
 Stability
 Stacking
 Stacking fault
 Standing wave
 Statistical mechanics
 Statistical method
 Statistical model
 Statistical thermodynamics
 Statistics
 Stepanov method
 Stereochemistry
 Stereoselectivity
 Stoichiometry
 Strain
 Strain deformation
 Strain determination
 Strain hardening
 Streaks
 Strength
 Stress
 Structural change
 Structural disorder
 Structure
 Structure determination
 Structure factor
 Structure-activity relationship
 Subconductor
 Sublimation
 Substitution
 Substructure
 Supercomputer
 Superconductivity
 Superconductor
 Superfluid
 Superlattice
 Supermagnetism
 Superstructure
 Surface
 Survey
 Symbolism

Symmetry	Texture	Topochemistry	Twinning	Wavelength
Symmetry breaking	TGA	Topography	Typomorphism	WAXS
Symmetry group	Theory	Topology	Ultra high pressure	WDS
Synchrotron radiation	Thermal expansion	Topotacticity	Ultra high vacuum	Weak-beam electron diffraction
Synocrystallization	Thermal motion	Topotaxy	Ultra pure compound	Weak interaction
Synthesis	Thermal property	Toxicity	Ultrasonics	Weathering
Systematics	Thermal stress	Toxicology	Ultraviolet	Welding
System dynamics	Thermal vibration	Trace	Unit cell	Whisker
System integration	Thermistor	Trace analysis	Unusual bonding	White-beam radiation
Tautomerism	Thermoanalysis	Track detector	UPS	Wide-angle scattering
Technique	Thermodynamics	Transcription	Vacancy	Wigner crystal
Technology	Thermogravimetry	Transducer	Vacuum	XANES
Television	Thermoluminescence	Transduction	Valence charge density	XPS
Temperature	Thermostability	Transformation	van der Waals radius	X-ray fluorescence
Tensor	Thick film	Transmission electron microscopy	Vector search	X-ray fluorescence spectroscopy
Tensometry	Thin film	Tribology	Vibration	Yeast expression system
Tensor property	Thin layer	Triplet	Vitreous state	Ylides
Termination effect	Three-dimensional reconstruction	Tube	Volatility	
Tertiary structure	Time-resolved effect	Tunnelling	Volcanology	
Testing	Time-of-flight diffraction	Twin	VVPES	

Compounds

This list contains classes of compounds and more general names to define classes of materials, such as *Magnets*. It may be used with words defined in the *Attributes* list.

Acetylene	Antigens	Basaltic rock	Catalysts	Dichalcogenides
Acids	Antihistaminic compounds	Bases	Celluloses	Dielectrics
Actin	Antihypertensive com- pounds	Bauxite	Cements	Dihydrofolate
Actinides	Anti-inflammatory com- pounds	Beryl	Ceramics	Dipeptide
Adenoviruses	Anti-influenza compounds	Beryllium compounds	Chalcogenides	Disease
Adrenergic compounds	Antileprosy compounds	Bile pigments	Chalcogens	Dismutases
Aggregates	Antileukemia compounds	Bimetallic compounds	Chalcopyrites	Diterpenes
AIDS	Antimalarial compounds	Binary alloys	Chelates	Diuretics
Air	Antimicrobial compounds	Bioceramics	Chlorine compounds	DNA
Albumin	Antimitotic compounds	Biopolymers	Chlorites	Drug
Alkaline	Antimomony compounds	Bismuth compounds	Chromatin	Dust
Alkalis	Antimuscarinic compounds	Blende	Chromite	Dyes
Alkaloids	Antioxidants	Blood	Chromium compounds	Elastomers
Alkanes	Antiparasitic compounds	Boehmite	Chrysotile	Electroceramics
Alkoxides	Anti-Parkinsonian com- pounds	Bone	Clathrates	Electrolytes
Allergens	Antipsychotic compounds	Boron compounds	Clays	Energetic compounds
Alloys	Antipyretics	Borophosphates	Clusters	Enkephalins
Alumina	Antirheumatic compounds	Borosilicates	Coal	Enzyme inhibitors
Aluminate	Antischistosomal com- pounds	Bromium compounds	Cobalt compounds	Enzymes
Aluminium compounds	Antisickling compounds	Bronzes	Coke	Estrogens
Aluminosilicates	Antispasmodics	Buffers	Colloids	Expectorants
Amino acids	Antithrombotic compounds	Bushveld complex	Conglomerates	Explosives
Analgesics	Antitumour compounds	Cadmium compounds	Copper compounds	Fab fragments
Anorthosite	Antitulcer compounds	Cage molecules	Cordierite	Fats
Antiallergenics	Antiviral compounds	Calcium compounds	Crown compounds	Feldspars
Antiamoebic compounds	Anxiolytic compounds	Cancer	Crust	Ferrites
Antianginal compounds	Apatite	Carbanions	Cryptates	Fertilizers
Antiarhythmic compounds	Archeological materials	Carbides	Cubanes	Fibres
Antiarthritic compounds	Arsenic compounds	Carbohydrates	Cyanide	Fire-resistant compounds
Antiasthmatic compounds	Asbestos	Carbonates	Cyanins	Flavonoids
Antibacterial compounds	Austenite	Carbonyls	Cyclic polyethers	Fluids
Antibiotics	Bacterial compounds	Carbon compounds	Cyclodextrins	Fluoride
Antibodies	Bacterial toxin	Carboranes	Cyclophosphazenes	Fluorine compounds
Anticancer compounds	Barbiturates	Carboxylates	Cytochrome	Fluorometallates
Anticholinergic compounds	Barium compounds	Carboxylic acids	Cytoplasm	Fluoroorganics
Anticoagulants		Carboxypeptidases	Cytotoxins	Fossils
Anticonvulsants		Carcinogens	Dehydrogenases	Free radicals
Antidepressants		Carcinostats	Dental material	Fuel
Antiemetics		Cardenolides	Detergents	Fulgides
Antiestrogen compounds		Cardiac compounds	Diamond	Fungicides
Antifolates		Cascade proteins	Diaspores	Fused rings
Antigelling compounds				

Attributes

This list contains additional keywords which may be used together with those defined in the *Compounds* and *Methods, Properties and Applications* lists.

Absolute	Commensurate	Formation	Mass	Qualitative
Absorbing	Comparison	Four-dimensional	Material	Quantitative
Accurate	Complex	Gamma-ray	Mathematical	Quantum
Acid	Composite	Genetic	Mechanical	Quasielastic
Acoustic	Composition	Geochemical	Medical	Quaternary
Activation	Compound	Geometric	Medicinal	Rapid
Active site	Condensed	Geothermal	Medium-size	Reaction
Active surface	Conducting	Globular	Mesogenic	Refinement
Acylic	Conformational	Glycolytic	Metallic	Reflection
Adduct	Constituent	Halophilic	Metalloorganic	Relationship
Agrochemical	Cosmic	Heavy	Metallurgical	Relative
Amorphous	Crystal	Helical	Metamorphic	Residue
Amphibole	Crystalline	Heterocyclic	Metastable	Resolution
Amphiphilic	Cubic	Heterogeneous	Method	Respiratory
Analysis	Cyclic	Hexagonal	Mineralized	Restrained
Analytical	Density	High	Mixed	Rhombohedral
Anharmonic	Dependence	High-precision	Model	Ring
Anhydrous	Deposit	Holographic	Modulated	Rolled
Anion	Dielectric	Homogeneous	Molecular	Secondary
Anisotropic	Difference	Hydrothermal	Monochromatic	Separation
Anomalous	Diffuse	Hydrous	Monoclinic	Sequence
Anorthic	Disordered	Hygroscopic	Monoclonal	Short-period
Antiferroelastic	Displacive	Icosahedral	Mosaic	Site
Antiferroelectric	Domain	Ideal	Multiple	Size
Antiferromagnetic	Donor	Incoherent	Non-ideal	Slag
Application	Doped	Inelastic	Nematic	Small
Applied	Double	Infrared	Neurological	Small-angle
Aqueous	Drug	Inorganic	Neutron	Smectic
Asymmetric	Dynamic	Interaction	Non-	Solid
Asymptotic	Dynamical	Interatomic	Non-bonded	Soluble
Atmospheric	Efflorescent	Intercrystalline	Non-crystalline	Spectral
Atom	Elastic	Interfacial	Non-crystallographic	Stainless
Atomic	Electrical	Intermetallic	Non-linear	Static
Behaviour	Electromagnetic	Intermolecular	Nuclear-one-dimensional	Stereographic
Binary	Electron	Internal	Optical	Strained
Binding	Electronic	Interstitial	Organic	Structural
Bioactive	Electrooptic	Intracrystalline	Organometallic	Substituent
Biochemical	Electrostatic	Intramolecular	Orthorhombic	Superionic
Biogenic	Elongation	Intrazeolitic	Pathological	Synthetic
Bioinorganic	Emission	Inverse	Perfect	Tensile
Biological	Energy	Ion	Pharmaceutical	Ternary
Biomedical	Energy-dispersive	Ionic	Phase	Tetragonal
Bioorganic	Environmental	Irradiated	Phonon	Theoretical
Bond	Enzymatic	Isometric	Phosphoorganic	Thermal
Boundary	Epitaxial	Laminated	Photochromic	Thermophile
Bragg	Equilibrium	Large-angle	Photon	Toxic
Bridged	Evolution	Laue	Photovoltaic	Transfer
Building	Exchange	Layered	Physical	Transport
Bulk	Excitation	Light	Piezoelectric	Treatment
Catalytic	Experimental	Linear	Plastic	Two-dimensional
Cation	Exploration	Liquid	Polar	Unidirectional
Chain	Extended	Local	Polychromatic	Unsaturated
Channel	Ferroelastic	Long-period	Polycyclic	Vacancy
Charge	Ferroelectric	Low	Polymeric	Vibrating
Chemical	Ferroic	Low-dimensional	Polymorphic	Viral
Chiral	Ferromagnetic	Macroscopic	Polytypic	Volatile
Chiroptical	Fibrillous	Macromolecular	Porous	Volcanic
Chromatic	Fibrous	Magmatic	Process	Wet
Clinical	Five-dimensional	Magnetic	Property	X-ray
Close-packed	Focusing	Marine	Pulsed	Zone
Coherent	Forensic	Martensitic	Pyroelectric	
Colour				

- Gallium compounds
 Gallstones
 Gases
 Gelatins
 Gels
 Gemstones
 Genes
 Germanates
 Germanium compounds
 Glasses
 Glycogens
 Glycoproteins
 Glycosaminoglycans
 Glycosides
 Gold compounds
 Grains
 Granites
 Graphites
 Halides
 Halogens
 Hemes
 Hemoglobins
 Hemoproteins
 Herbicides
 Heterocycles
 Heteropoly acids
 Heusler alloys
 Histamine agonists
 Hormones
 HSLA steels
 Humic compounds
 Hydrates
 Hydrides
 Hydrogen compounds
 Hydroxides
 Hypnotics
 Ice
 II-VI compounds
 III-V compounds
 Immunoglobulins
 Immuno modulators
 Immunosuppressants
 Indium compounds
 Inhibitors
 Insecticides
 Insulin
 Intercalates
 Interstitial compounds
 Invar
 Iodine compounds
 Ionic conductors
 Ionophores
 Iridium compounds
 Iron compounds
 Isomers
 Isopolymetallates
 Isotopes
 IV-VI compounds
 Jahn Teller compounds
 Lamellar compounds
 Lamprophyres
 Lamp materials
 Lanthanides
 Layered compounds
 Lead compounds
 Ligands
 Lipases
 Lipids
 Lipoproteins
 Liquid crystals
 Liquids
 Lithium compounds
 Living systems
 Lubricants
 Luminescent compounds
 Lymphocytes
 Lymphokines
 Macrocycles
 Macromolecules
 Magnesium compounds
 Magnets
 Main-group compounds
 Manganese compounds
 Mantle
 Martensites
 Materials
 Melts
 Membranes
 Mercury compounds
 Metallacarboranes
 Metalloenzymes
 Metallophthalocyanines
 Metalloporphyrins
 Metalloproteins
 Metals
 Meteorites
 Micas
 Micelles
 Microcrystallite compounds
 Minerals
 Mixed-layer compounds
 Mixed-valence compounds
 Modulated structures
 Molecular complexes
 Molecules
 Molybdates
 Molybdenum compounds
 Moon rocks
 Multilayers
 Muscarinic compounds
 Muscles
 Mutagenic compounds
 Narcotics
 Natural products
 Nematogenic compounds
 Nervous system
 Neuroleptics
 Neuropeptides
 Neurotoxins
 Nickel compounds
 Niobium compounds
 Nitrates
 Nitrides
 Nitrogenases
 Nitrogen compounds
 Noble gases
 Noble metals
 Nuclear materials
 Nucleic acids
 Nucleoproteins
 Nucleosides
 Nucleotides
 Oils
 Oligomers
 Oligonucleotides
 Oligopeptides
 Oligosaccharides
 Oncogenes
 Opiates
 Ores
 Osmium compounds
 Oxides
 Oxygenases
 Oxygen compounds
 Oxyhydrates
 Palladium compounds
 Paper
 Parasites
 Particles
 Penicillins
 Peptaibols
 Peptides
 Perovskites
 Pesticides
 Phosphatases
 Phosphates
 Phosphorus compounds
 Phosphorylases
 Photochromic compounds
 Photoconductors
 Phyllosilicates
 Pigments
 Plagioclases
 Plants
 Plasmas
 Platinum compounds
 Plutonium compounds
 Polar compounds
 Polyamides
 Polyanions
 Polydentates
 Polyelectrolytes
 Polyesters
 Polyimidazoles
 Polyiodides
 Polymerases
 Polymers
 Polyolefins
 Polyoxoanions
 Polypeptides
 Polyphosphides
 Polyproteins
 Polysaccharides
 Polythionates
 Porous materials
 Porphyrins
 Potassium compounds
 Powders
 Precipitates
 Propellants
 Prostaglandins
 Proteases
 Proteins
 Proteinases
 Protein kinases
 Prothrombins
 Psychoactive compounds
 Radicals
 Radical salts
 Radiopharmaceutical compounds
 Radium compounds
 Rare-earth compounds
 Reductases
 Refractory compounds
 Renins
 Rhenium compounds
 Rhodium compounds
 Ribosomes
 Ring molecules
 RNA
 Rock
 Rubber
 Ruthenium compounds
 Saccharides
 Salts
 Sandwich compounds
 Sapidants
 Sediments
 Selenium compounds
 Semiconductors
 Semicrystalline compounds
 Serums
 Sesquiterpenes
 Siderophores
 Silicates
 Silicon compounds
 Silver compounds
 Small molecules
 Soaps
 Sodium compounds
 Soils
 Solids
 Sols
 Solvents
 Steels
 Steroids
 Sterols
 Strontium compounds
 Sulfates
 Sulfides
 Sulfur compounds
 Superalloys
 Superconductors
 Superoxides
 Surfactants
 Sweeteners
 Tantalum compounds
 Technetium compounds
 Tellurides
 Tellurium compounds
 Terpenes
 Textiles
 Therapeutic compounds
 Thermoelectric materials
 Thorium compounds
 Thyrototoxic compounds
 Tin compounds
 Tissues
 Titanates
 Titanium compounds
 Tooth compounds
 Toxins
 Tranquillizers
 Transcriptases
 Transition elements
 Trypanosomes
 Trypsins
 Tumours
 Tungstates
 Tungsten compounds
 Unidirectional compounds
 Unsaturated compounds
 Uranides
 Uranium compounds
 Uricosuric compounds
 Vanadium compounds
 Vasodilators
 Venoms
 Viruses
 Vitamins
 Waste
 Water
 Waxes
 Ytterbium compounds
 Zeolites
 Zinc compounds
 Zirconium compounds
 Zymogen