

## 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
Adnergics	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  
 Litho geochemistry  
 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  
 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	Anti-influenza compounds	Bile pigments	Chalcogens	Dismutases
Aggregates	Antileprosy compounds	Binetallic compounds	Chalcopyrites	Diterpenes
AIDS	Antileukemia compounds	Binary alloys	Chelates	Diuretics
Air	Antimalarial compounds	Bioceramics	Chlorine compounds	DNA
Albumin	Antimicrobial compounds	Biopolymers	Chlorites	Drug
Alkaline	Antimitotic compounds	Bismuth compounds	Chromatin	Dust
Alkalis	Antimony compounds	Blende	Chromite	Dyes
Alkaloids	Antimuscarinic compounds	Blood	Chromium compounds	Elastomers
Alkanes	Antioxidants	Boehmite	Chrysotile	Electroceramics
Alkoxides	Antiparasitic compounds	Bone	Clathrates	Electrolytes
Allergens	Anti-Parkinsonian com- pounds	Boron compounds	Clays	Energetic compounds
Alloys	Antipsychotic compounds	Borophosphates	Clusters	Enkephalins
Alumina	Antipyretics	Borosilicates	Coal	Enzyme inhibitors
Aluminate	Antirheumatic compounds	Bromium compounds	Cobalt compounds	Enzymes
Aluminium compounds	Antischistosomal com- pounds	Bronzes	Coke	Estrogens
Aluminosilicates	Antischizophrenia com- pounds	Buffers	Colloids	Expectorants
Amino acids	Antisickling compounds	Bushveld complex	Conglomerates	Explosives
Analgesics	Antispasmodics	Cadmium compounds	Copper compounds	Fab fragments
Anorthosite	Antithrombotic compounds	Cage molecules	Cordierite	Fats
Antiallergens	Antitumour compounds	Calcium compounds	Crown compounds	Feldspars
Antiamoebic compounds	Antitubercular compounds	Cancer	Crust	Ferrites
Antianginal compounds	Antitubercular compounds	Carbanions	Cryptates	Fertilizers
Antiarhythmic compounds	Antitubercular compounds	Carbides	Cubanes	Fibres
Antiarthritic compounds	Antitubercular compounds	Carbohydrates	Cyanide	Fire-resistant compounds
Antiasthmatic compounds	Antitubercular compounds	Carbonates	Cyanins	Flavonoids
Antibacterial compounds	Antitubercular compounds	Carbonyls	Cyclic polyethers	Fluids
Antibiotics	Antitubercular compounds	Carbon compounds	Cyclodextrins	Fluoride
Antibodies	Antitubercular compounds	Carboranes	Cyclophosphazenes	Fluorine compounds
Anticancer compounds	Antitubercular compounds	Carboxylates	Cytochrome	Fluorometallates
Anticholinergic compounds	Antitubercular compounds	Carboxylic acids	Cytoplasm	Fluoroorganics
Anticoagulants	Antitubercular compounds	Carboxypeptidases	Cytotoxins	Fossils
Anticonvulsants	Antitubercular compounds	Carcinogens	Dehydrogenases	Free radicals
Antidepressants	Antitubercular compounds	Carcinostats	Dental material	Fuel
Antiemetics	Antitubercular compounds	Cardenolides	Detergents	Fulgides
Antiestrogen compounds	Antitubercular compounds	Cardiac compounds	Diamond	Fungicides
Antifolates	Antitubercular compounds	Cascade proteins	Diaspores	Fused rings
Antigelling compounds	Antitubercular 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
Acyclic	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	Photochromic	Thermal
Boundary	Epitaxial	Laminated	Photon	Thermophile
Bragg	Equilibrium	Large-angle	Photovoltaic	Toxic
Bridged	Evolution	Laue	Physical	Transfer
Building	Exchange	Layered	Piezoelectric	Transport
Bulk	Excitation	Light	Plastic	Treatment
Catalytic	Experimental	Linear	Polar	Two-dimensional
Cation	Exploration	Liquid	Polychromatic	Unidirectional
Chain	Extended	Local	Polycyclic	Unsaturated
Channel	Ferroelastic	Long-period	Polymeric	Vacancy
Charge	Ferroelectric	Low	Polymorphic	Vibrating
Chemical	Ferroic	Low-dimensional	Polytypic	Viral
Chiral	Ferromagnetic	Macroscopic	Porous	Volatile
Chiroptical	Fibrillous	Macromolecular	Process	Volcanic
Chromatic	Fibrous	Magmatic	Property	Wet
Clinical	Five-dimensional	Magnetic	Pulsed	X-ray
Close-packed	Focusing	Marine	Pyroelectric	Zone
Coherent	Forensic	Martensitic		
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  
 Oxohydrides  
 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  
 Thyrotoxic 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