

2D seismic surveys

Non-Preferred
USE: Two dimensional seismic surveys

3D seismic surveys

Non-Preferred
USE: Three dimensional seismic surveys

A

A horizon

BT: Soil stratigraphy

A type granite

BT: Granite

Abandoned channel

Non-Preferred
USE: Palaeochannel

Abandoned mines

BT: Mines
RT: Mine rehabilitation

Abandoned wells

Non-Preferred
USE: Well abandonment

Abandonment

Non-Preferred
USE: Well abandonment

Ablation

Non-Preferred
USE: Wind erosion

Abney level

Non-Preferred
USE: Levelling instruments

Aboriginal land rights

BT: Aboriginals
 Land rights
NT: Native title
RT: Land use planning
 National parks

Aboriginal relics

BT: Aboriginals
RT: Artefacts

Aboriginal sacred sites

BT: Aboriginals

Aboriginal site surveys

BT: Surveys
RT: Anthropology

Aboriginals

BT: Indigenous people
NT: Aboriginal land rights
 Aboriginal relics
 Aboriginal sacred sites
RT: Anthropology

Abrasion

BT: Wear (materials)
NT: Sand blasting
RT: Abrasives

Abrasion (geological)

BT: Mechanical weathering
RT: Erosion
UF: Corrasion

Abrasion resistance

Non-Preferred
USE: Wear resistance

Abrasive jet drilling

Non-Preferred
USE: Jet cutting

Abrasiveness

BT: Physical properties
RT: Abrasives

Abrasives

BT: Wear (materials)
 Abrasion
 Abrasiveness
 Aluminium oxides
 Ceramics
 Corundum
 Diamonds
 Garnet
 Grit
 Industrial minerals
 Pumice
 Silicon carbide

Absite

Non-Preferred
USE: Brannerite

Absolute age

BT: Geological age
NT: Hybrid age
 Overprinted age
RT: Age determination methods
UF: Absolute age determination
 Age

Absolute age determination

Non-Preferred
USE: Absolute age

Absolute gravity

Non-Preferred
USE: Gravity

Absolute gravity instruments

Non-Preferred
USE: Gravimeters

Absolute pressure

Non-Preferred
USE: Pressure

Absorbents

BT: Absorption
RT: Absorbers
 Activated clay
 Bentonite

Desiccation
 Fullers earth
 Suppressors
UF: Absorbers (materials)
 Adsorbents
 Sorbents

Absorbers

BT: Absorption
RT: Absorbents
 Air cleaners
 Clarifiers
 Degassers
UF: Absorbers (equipment)
 Absorption towers

Absorbers (equipment)

Non-Preferred
USE: Absorbers

Absorbers (materials)

Non-Preferred
USE: Absorbers

Absorption

BT: Sorption
NT: Absorbents
 Absorbers
 Degassers
RT: Activated carbon
 Chromatography
 Desorption
 Water treatment
UF: Adsorption

Absorption spectra

BT: Spectra
RT: Atomic spectra

Absorption spectroscopy

Non-Preferred
USE: Spectroscopy

Absorption towers

Non-Preferred
USE: Absorbers

Abstracting

Non-Preferred
USE: Abstracts

Abstracts

BT: Documentation
UF: Abstracting

Abyssal rocks

Non-Preferred
USE: Plutonic rocks

Abyssal zone

BT: Oceanic zones
NT: Deep water
 Ocean deeps
RT: Pelagic zone
 Sea floor
 Submarine trenches

Acanthodii

BT: Pisces

Accelerated tests

BT: Materials tests

Accelerometers

BT: Instruments

RT: Seismometers

Accessory minerals

BT: Minerals

Rock forming minerals

RT: Petrology

Accident prevention

BT: Accidents

Safety

RT: Gas detectors

Safety devices

Safety engineering

Warning systems

Accidents

BT: Safety

NT: Accident prevention

Accounting

BT: Financing

NT: Cash flow

Insolvency

Revenue

RT: Capital costs

Cost analysis

Inventory control

Return on investment

Royalties

Taxation

UF: Amortization

Auditing

Audits

Book keeping

Budgeting

Cost accounting

Cost control

Depreciation

Accreditation

BT: Quality assurance

Accreting plate boundary

BT: Plate tectonics

UF: Divergent plate boundary

Acetylene

BT: Alkenes

Achondrite

Non-Preferred

USE: Meteorites

Acid igneous rocks

BT: Igneous rocks

NT: Adamellite

Albite

Aplite

Charnockite

Felsite

Granite

Granitic rock

Granodiorite

Granophyre

Keratophyre

Pegmatite

Perlite

Pumice

Rhyodacite

Rhyolite

Trondhjemite

RT: Monzonite

Syenite

Trachyte

UF: Acid rocks

Felsic igneous rocks

Acid leaching

BT: Leaching

RT: Heap leaching

Acid mine drainage

BT: Mine drainage

Acid mine waters

BT: Mine waters

RT: Effluents

Acid openhearth process

Non-Preferred

USE: Openhearth process

Acid rain

BT: Air pollution

RT: Pollution

Acid refractories

Non-Preferred

USE: Refractory materials

Acid rocks

Non-Preferred

USE: Acid igneous rocks

Acid sulphate soils

BT: Soils

RT: Soil chemistry

Acid treatment

BT: Chemical processes

RT: Acidification

Acid volcanic rocks

BT: Volcanic rocks

UF: Felsic volcanic rocks

Acidification

BT: Chemical processes

RT: Acid treatment

pH control

Acidity

BT: Chemical properties

RT: pH control

pH value

Acidity control

Non-Preferred

USE: pH control

Acids

BT: Chemical compounds

NT: Industrial acids

Inorganic acids

Organic acids

Acoustic arrays

Non-Preferred

USE: Seismic spread

Acoustic detection

Non-Preferred

USE: Sonic detection

Acoustic drilling

Non-Preferred

USE: Sonic drilling

Acoustic emission

BT: Acoustic properties

Acoustics

RT: Microseisms

Acoustic logging

Non-Preferred

USE: Velocity logging

Acoustic logs

Non-Preferred

USE: Velocity logs

Acoustic properties

BT: Acoustics

NT: Acoustic emission

RT: Rock geophysics

Rock properties

Seismicity

UF: Sonic properties

Acoustic wave

Non-Preferred

USE: Sonic waves

Acoustic waves

BT: Acoustics

RT: Radiation

Acoustics

BT: Physical properties

NT: Acoustic emission

Acoustic properties

Acoustic waves

UF: Sonics

Acquisitions

BT: Companies

Licences

NT: Due diligence

UF: Takeovers

Acritarchs

BT: Microfossils

RT: Algal structures

Palynology

Actinide series

BT: Non ferrous metals

NT: Actinium

Americium

Berkelium

Californium

Curium

Einsteinium

Fermium

Lawrencium

Mendelevium

Neptunium
Nobelium

Actinium

BT: Actinide series

Actinium isotopes

BT: Radioactive isotopes

Actinolite

BT: Amphiboles
Asbestos
Fibrous minerals
RT: Mineral fibres
Nephrite
Silicate refractories

Actinolite marble

Non-Preferred

USE: Marble

Activated carbon

BT: Activation
Carbon
RT: Absorption
Carbon in pulp process
Charcoal
Clarification
Odour control
Water treatment
UF: Activated charcoal

Activated charcoal

UF: Activated carbon

Activated clay

BT: Activation
RT: Absorbents
Bentonite

Activating reagents

BT: Activation
Reagents
NT: Surfactants
RT: Bentonite
Catalysts
Flotation reagents
Frothing reagents
UF: Activators
Collecting reagents

Activation

BT: Chemical processes
NT: Activated carbon
Activated clay
Activating reagents

Activation analysis

Non-Preferred

USE: Radioactivation analysis

Activators

Non-Preferred

USE: Activating reagents

Active fault

Non-Preferred

USE: Faults

Active margin

BT: Continental margin
RT: Passive margin
Plate tectonics

Adamellite

BT: Acid igneous rocks
NT: Adamellite porphyry
RT: Granite
Granodiorite
Monzonite
Plutonic rocks
UF: Bananite
Quartz monzonite

Adamellite porphyry

BT: Adamellite

Additives

BT: Chemical compounds
Materials
NT: Cement additives
Pulp additives
RT: Corrosion inhibitors
Fillers
UF: Modifiers

Adits

Non-Preferred

USE: Tunnels

Administration

Non-Preferred

USE: Management

Adsorbed water

Non-Preferred

USE: Hygroscopic water

Adsorbents

UF: Absorbents

Adsorption

Non-Preferred

USE: Absorption

Adularia

BT: Alkali feldspars

Aegirine

BT: Pyroxene

Aeolian

BT: Wind erosion
RT: Loess
Sedimentary structures
UF: Eolian

Aeolian deposits

Non-Preferred

USE: Aeolian sediments

Aeolian environment

BT: Non marine environment

Aeolian sands

BT: Aeolian sediments
Sands

Aeolian sediments

BT: Sediments
NT: Aeolian sands
Aeolianite
UF: Aeolian deposits

Aeolian soils

BT: Soils
NT: Loess
RT: Dunes
Silt

Aeolianite

BT: Aeolian sediments
UF: Calcareous aeolianite
Dune rock
Eolianite

Aeration

BT: Mixing
RT: Agitation
Blending
Water treatment
UF: Aerators

Aerators

Non-Preferred

USE: Aeration

Aerial colour photography

Non-Preferred

USE: Colour aerial photography

Aerial electromagnetic surveys

Non-Preferred

USE: Aerial EM surveys

Aerial EM methods

BT: Aerial EM surveys
EM methods

Aerial EM surveys

BT: Aerial geophysical surveys
EM surveys
NT: Aerial EM methods
Dighem surveys
UF: Aerial electromagnetic
surveys
Input surveys

Aerial geochemical exploration

BT: Geochemical exploration

Aerial geophysical surveys

BT: Aerial surveys
Geophysical surveys
NT: Aerial EM surveys
Aerial gravity surveys
Aerial magnetic surveys
Aerial radioactivity surveys
RT: Thematic mapper surveys

Aerial gravimetric surveys

Non-Preferred

USE: Aerial gravity surveys

Aerial gravity surveys

BT: Aerial geophysical surveys
Gravity surveys
UF: Aerial gravimetric surveys

Aerial magnetic anomalies

Non-Preferred
USE: Magnetic anomalies

Aerial magnetic maps

BT: Magnetic maps
UF: Aeromagnetic maps

Aerial magnetic surveys

BT: Aerial geophysical surveys
 Magnetic surveys
RT: Magnetic anomalies
 Magnetic gradiometers
UF: Aeromagnetic surveys
 Magnetic airborne
 detection

Aerial mapping

BT: Mapping
NT: Flight line
UF: Airborne mapping

Aerial multispectral scanning

BT: Multispectral imagery

Aerial photogrammetry

Non-Preferred
USE: Photogrammetry

Aerial photographs

BT: Aerial photography
UF: Aerophoto
 Airborne photograph

Aerial photography

BT: Photography
 Remote sensing
NT: Aerial photographs
 Black and white aerial
 photography
 Colour aerial photography
 Flight line
 Infrared aerial photography
 Multiband aerial
 photography
 Oblique aerial photography
 Photointerpretation
 Photomosaics
 Trimetrogon aerial
 photography
 Vertical aerial photography
RT: Photogeology
 Photogrammetry

Aerial radioactivity surveys

BT: Aerial geophysical surveys
 Radioactivity surveys
UF: Aerial radiometric surveys

Aerial radiometric surveys

Non-Preferred
USE: Aerial radioactivity surveys

Aerial ropeways

BT: Mine transportation

Aerial surveys

BT: Surveys
NT: Aerial geophysical surveys
 Flight line

RT: Flight maps
 Geological surveys
 Geophysical surveys
 Hydrographic surveys
 Photogeology
 Topographic surveys

UF: Airborne surveys
 Helicopter surveys
 Photogrammetric surveys
 Photographic
 reconnaissance

Aerobic decay

Non-Preferred
USE: Aerobic processes

Aerobic processes

BT: Biogeochemistry
RT: Anaerobic processes
 Bacteria
 Microorganisms
UF: Aerobic decay

Aerodynamics

BT: Gas dynamics
NT: Air flow
RT: Fluid dynamics
 Fluid mechanics

Aeromagnetic anomalies

Non-Preferred
USE: Magnetic anomalies

Aeromagnetic maps

Non-Preferred
USE: Aerial magnetic maps

Aeromagnetic surveys

Non-Preferred
USE: Aerial magnetic surveys

Aerophoto

Non-Preferred
USE: Aerial photographs

Aerosol generators

Non-Preferred
USE: Aerosols

Aerosols

BT: Dispersions
RT: Air pollution
 Airborne wastes
 Dust
 Smog
 Smoke
UF: Aerosol generators
 Biological aerosols

Affirmative action

Non-Preferred
USE: Equal opportunity

Afmag survey methods

Non-Preferred
USE: EM methods

Afmag surveys

BT: Magnetotelluric surveys
UF: Audio frequency
 magnetotellurics

Aftershock

BT: Earthquakes
RT: Foreshock

Agate

BT: Gemstones
 Silica minerals
RT: Industrial gems
 Thunder eggs
UF: Banded agate
 Clouded agate
 Moss agate

Age

Non-Preferred
USE: Absolute age

Age dating

Non-Preferred
USE: Age determination methods

Age determination

Non-Preferred
USE: Age determination methods

Age determination methods

BT: Geochronology
NT: Cathodoluminescence
 dating
 Chlorine dating
 Dendrochronology
 ESR dating
 Fluorine dating
 Isochron
 Palaeomagnetic dating
 Racemization dating
 Radiometric dating
 Thermoluminescence
 dating
RT: Absolute age
 Whole rock analysis
UF: Age dating
 Age determination
 Dating
 Geological age
 determination

Age of the earth

BT: Earth (planet)

Age of the universe

BT: Cosmology

Agglomerate

BT: Pyroclastic rocks

Agglomeration

BT: Chemical processes
RT: Briquetting
 Compaction
 Flocculation
 Pelleting
 Sintering
 Thickening
UF: Aggregation
 Balling

Aggregates

BT: Industrial materials
NT: Cement aggregate reactions
 Heavyweight aggregates
 Lightweight aggregates
 Rail ballast
 Riprap
 Road metal
 Rubble
RT: Bitumen stripping test
 Borrow pits
 Building materials
 Construction materials
 Dolomite (rock)
 Gravel
 Limestone
 Sands
 Slags
UF: Coarse aggregates
 Crushed stone
 Fine aggregates

Aggregation

Non-Preferred
USE: Agglomeration

Agitation

BT: Mixing
RT: Aeration
 Blending
 Draft tube circulation
 Emulsification
 Leaching
 Size classification
 Size screening
 Vibration
UF: Agitators
 Pachuas

Agitators

Non-Preferred
USE: Agitation

Agmatic gneiss

Non-Preferred
USE: Migmatite

Agnatha

BT: Pisces

Agreements

Non-Preferred
USE: Contractual arrangements

Agricultural energy

BT: Energy

Agricultural engineering

BT: Engineering
RT: Agriculture
 Soil conservation
 Water conservation

Agricultural geology

BT: Geology
RT: Agriculture
 Arable land
 Soils

Agriculture

BT: Natural science
 Primary industry
NT: Agronomy
 Arable land
 Fertilizers
 Pastoralism
RT: Agricultural engineering
 Agricultural geology
 Pesticides

Agronomy

BT: Agriculture
RT: Pedology
 Soil chemistry
 Soil horizons
 Soil physics
 Soil surveys
 Soils

Air blast (mine subsidence)

BT: Mine subsidence
RT: Mine safety
 Underground mining

Air blown converters

Non-Preferred
USE: Converters

Air circulation

Non-Preferred
USE: Ventilation

Air cleaners

BT: Pollution control
RT: Absorbers
 Air filtration
 Air pollution control
 Dust control
 Electrostatic precipitators
 Scrubbers
 Ventilation

Air compressors

BT: Compressors
RT: Compressed air

Air conditioning

BT: Cooling systems
NT: Space heating
RT: Air cooling
 Dust control
 Refrigeration
 Temperature control
 Ventilation

Air cooling

BT: Cooling
RT: Air conditioning
 Temperature control
 Ventilation
 Water cooling

Air core drilling

BT: Drilling
RT: Air drilling
 Core drilling

Air drilling

BT: Drilling
RT: Air core drilling
 Gas drilling

Air entrainment

BT: Entrainment

Air fall tuff

Non-Preferred
USE: Volcanic tuff

Air filters

Non-Preferred
USE: Air filtration

Air filtration

BT: Filtration
RT: Air cleaners
 Air pollution control
 Dust control
 Ventilation
UF: Air filters

Air flow

BT: Aerodynamics
RT: Turbulance
 Ventilation

Air gun sound source

BT: Seismic energy source
RT: Marine seismic surveys

Air lift

BT: Pumping

Air pollution

BT: Air quality
 Pollution
NT: Acid rain
 Air pollution control
 Airborne wastes
 Emissions trading
 Greenhouse gases
 Smog
 Smoke
RT: Aerosols
 Atmospheric composition
 Combustion products
 Exhaust systems
 Particulate matter
 Public health
 Sulphur recovery
UF: Atmospheric pollution

Air pollution control

BT: Air pollution
NT: Smoke abatement
 Water mist
RT: Air cleaners
 Air filtration
 Air quality
 Carbon tax
 Cyclone separators
 Dehydration
 Dust control
 Electrostatic precipitators
 Mine gases
 Odour control
 Scrubbers

Air quality

BT: Environmental management
NT: Air pollution
RT: Air pollution control
 Air sampling

Air sampling

BT: Sampling
RT: Air quality
 Pollution

Air sampling (geochemistry)

BT: Geochemical sampling

Air sparging

Non-Preferred
USE: Pneumatic methods

Air transportation

BT: Transportation
NT: Aircraft

Air washers

Non-Preferred
USE: Scrubbers

Airborne mapping

Non-Preferred
USE: Aerial mapping

Airborne photograph

Non-Preferred
USE: Aerial photographs

Airborne surveys

Non-Preferred
USE: Aerial surveys

Airborne wastes

BT: Air pollution
 Wastes
NT: Waste gases
RT: Aerosols
 Combustion products
 Dust
 Exhaust systems
 Industrial wastes
 Odour control
 Smog
 Smoke
 Stacks
UF: Plumes (air pollution)

Aircraft

BT: Air transportation
NT: Unmanned air vehicles

Airtrac drilling

Non-Preferred
USE: Rock drilling

Akerite

Non-Preferred
USE: Syenite

Akermanite

Non-Preferred
USE: Melilite

Alaskite

BT: Granite
RT: Alkali granite

Albite

BT: Alkali feldspars
 Plagioclase
NT: Peristerite

Albite porphyry

UF: Albitite

Albitite

BT: Acid igneous rocks
NT: Epidote
RT: Albitization
 Plutonic rocks
UF: Albite porphyry
 Soda syenite

Albitization

BT: Mineralization
RT: Albitite
 Plagioclase

Alcohol

BT: Safety training
RT: Drugs
 Education

Alcohol fuels

BT: Liquid fuels
 Synthetic fuels
RT: Biomass

Alcohols

BT: Organic material
RT: Hydrocarbons
 Liquid fuels

Alexandrite

BT: Chrysoberyl

Alfisol

BT: Soils

Algae

BT: Microorganisms
 Thallophyta
NT: Sapropele
RT: Palaeobotany
 Stromatolites
UF: Blue green algae
 Brown algae
 Green algae
 Red algae

Algal limestone

BT: Limestone

Algal mats

BT: Algal structures
UF: Microbial mats

Algal reefs

BT: Reefs
RT: Bioherms
 Stromatolites

Algal structures

BT: Sedimentary structures
NT: Algal mats
 Cryptozoon
 Stromatolites
RT: Acritarchs
 Biogenesis
UF: Oncolite

Alginite

BT: Coal constituents

Algorithms

BT: Mathematics
NT: Genetic algorithms
RT: Mathematical models

Aliphatic hydrocarbons

BT: Hydrocarbons
NT: Alkanes
 Alkenes
 Naphthenes
 Paraffins
RT: Aromatic hydrocarbons

Alkali basalt

BT: Alkali igneous rocks
 Basalt
NT: Alkali olivine basalt
UF: Basanite
 Oligoclase basalt
 Tephrite

Alkali feldspars

BT: Feldspars
NT: Adularia
 Albite
 Anorthoclase
 Microcline
 Orthoclase
 Sanidine
RT: Alkali igneous rocks
UF: Potash feldspar
 Potassium feldspar

Alkali gabbro

BT: Alkali igneous rocks
 Gabbro
UF: Essexite

Alkali granite

BT: Alkali igneous rocks
 Granite
RT: Alaskite

Alkali igneous rocks

BT: Igneous rocks
NT: Alkali basalt
 Alkali gabbro
 Alkali granite
 Potassic igneous rocks
RT: Alkali feldspars

Alkali leaching

BT: Leaching
NT: Ammoniacal leaching

Alkali metals

BT: Non ferrous metals
NT: Caesium

- Lithium
Potassium
Rubidium
Sodium
- Alkali olivine basalt**
BT: Alkali basalt
- Alkali syenite**
BT: Syenite
UF: Blue granite
Larvikite
Laurvikite
Pulaskite
Pyroxene alkali syenite
- Alkaline batteries**
Non-Preferred
USE: Storage batteries
- Alkaline earth metals**
BT: Non ferrous metals
NT: Barium
Beryllium
Calcium
Magnesium
Radium
Strontium
UF: Alkaline earths
- Alkaline earths**
Non-Preferred
USE: Alkaline earth metals
- Alkalinity**
BT: Chemical properties
RT: pH value
- Alkalinity control**
Non-Preferred
USE: pH control
- Alkanes**
BT: Aliphatic hydrocarbons
NT: Butanes
Ethane
Heptanes
Hexanes
Methane
Pentanes
Propane
- Alkenes**
BT: Aliphatic hydrocarbons
NT: Acetylene
Butadienes
Ethylene
Hopenes
Sterenes
Triterpenes
- Allanite**
BT: Cerium
RT: Epidote
UF: Cerine
Cerite
Orthite
- Allivalite**
Non-Preferred
USE: Gabbro
- Allochthon**
Non-Preferred
USE: Nappe
- Allochthonous coal**
BT: Coal
Coal genesis
- Allochthonous limestone**
BT: Limestone
- Allowances**
Non-Preferred
USE: Wages and salaries
- Alloy steels**
BT: Alloys
Steel
NT: Chromium steel
Invar
Manganese steel
Nickel steel
Stainless steel
- Alloys**
BT: Metallurgy
NT: Alloy steels
Copper alloys
Gold alloys
Iron alloys
Lead alloys
Selenium alloys
Silver alloys
Solder
Tin alloys
Zinc alloys
RT: Materials technology
- Alluvial deposits**
Non-Preferred
USE: Placer deposits
- Alluvial diamond deposits**
Non-Preferred
USE: Diamond placer deposits
- Alluvial fans**
BT: Fluvial sediments
RT: Alluvial plains
Deltas
Submarine fans
UF: Fans (geology)
Talus fan
- Alluvial gem deposits**
Non-Preferred
USE: Gem placer deposits
- Alluvial gold deposits**
Non-Preferred
USE: Gold placer deposits
- Alluvial mineral deposits**
Non-Preferred
USE: Placer deposits
- Alluvial mining**
Non-Preferred
USE: Placer mining
- Alluvial plains**
BT: Flood plains
RT: Alluvial fans
Alluvium
Deltas
- Alluvial sediments**
Non-Preferred
USE: Alluvium
- Alluvial soils**
BT: Soils
- Alluvial tin deposits**
Non-Preferred
USE: Tin placer deposits
- Alluvium**
BT: Sediments
Soils
RT: Alluvial plains
Deltas
Fluvial sediments
Sedimentary rocks
UF: Alluvial sediments
Flood plain sediments
- Almandine**
BT: Garnet
- Alnoite**
Non-Preferred
USE: Lamprophyre
- Alpha irradiation**
BT: Irradiation
- Alpha particle detectors**
Non-Preferred
USE: Scintillometers
- Alpha radiation**
BT: Nuclear radiation
RT: Beta radiation
Gamma radiation
Radioactive decay
- Alphameter surveys**
Non-Preferred
USE: Track etch surveys
- Alstonite**
Non-Preferred
USE: Barytocalcite
- Alteration (geology)**
BT: Geological processes
NT: Hydrothermal alteration
Supergene alteration
- Altimeters**
BT: Instruments
NT: Hypsometer
RT: Barometers
Surveying instruments

Alumina

BT: Aluminium
RT: Aluminium oxides
 Bauxite

Aluminate cements

Non-Preferred
USE: Cements

Aluminium

BT: Non ferrous metals
 Alumina
NT: Aluminium deposits
 Aluminium isotopes
 Aluminium minerals
 Aluminium ores
 Aluminium oxides
 Aluminium production
 Aluminium refining
 Aluminium reserves
 Aluminium resources
 Aluminium silicates
 Aluminium smelting
 Aluminium sulphate
 Bauxite mines

Aluminium deposits

BT: Aluminium
 Metalliferous deposits
RT: Aluminium ores
UF: Bauxite deposits

Aluminium isotopes

BT: Aluminium

Aluminium minerals

BT: Aluminium
 Metalliferous minerals
NT: Alunite
 Diaspore
 Gibbsite
 Kyanite
RT: Aluminium silicates

Aluminium ores

BT: Aluminium
NT: Alunite
 Bauxite
RT: Aluminium deposits
 Cryolite

Aluminium oxides

BT: Aluminium
RT: Abrasives
 Alumina

Aluminium production

BT: Aluminium
 Mineral statistics

Aluminium refining

BT: Aluminium
 Refining

Aluminium reserves

BT: Aluminium
 Aluminium resources
 Ore reserves

Aluminium resources

BT: Aluminium
 Mineral resources
NT: Aluminium reserves

Aluminium silicates

BT: Aluminium
NT: Andalusite
 Asbestos
 Chialstolite
 Kyanite
 Sillimanite
 Staurolite
RT: Aluminium minerals

Aluminium smelting

BT: Aluminium
 Smelting
NT: Bayer process

Aluminium sulphate

BT: Aluminium
RT: Alums

Alums

BT: Chemical compounds
RT: Aluminium sulphate
 Ammonium sulphate

Alunite

BT: Aluminium minerals
 Aluminium ores
 Potassium minerals
NT: Jarosite
 Plumbogummite
 Plumbojarosite
RT: Potash deposits

Amalgam

Non-Preferred
USE: Mercury amalgam

Amalgamation

BT: Hydrometallurgy
RT: Gold

Amazonite

BT: Feldspars
 Gemstones

Amber

BT: Gemstones

Amblygonite

BT: Lithium minerals

Amenities

BT: Personnel management

Americium

BT: Actinide series

Americium isotopes

BT: Radioactive isotopes

Amesite

BT: Septechlorite

Amethyst

BT: Gemstones
 Quartz
 Silica minerals

Amino acid dating

Non-Preferred
USE: Racemization dating

Amino acids

BT: Organic compounds

Ammonia

BT: Nitrogen inorganic
 compounds
NT: Ammonium compounds
 Liquid ammonia

Ammoniacal leaching

BT: Alkali leaching
RT: Heap leaching

Ammonium compounds

BT: Ammonia
NT: Ammonium nitrate
 Ammonium sulphate

Ammonium nitrate

BT: Ammonium compounds
RT: Explosives

Ammonium sulphate

BT: Ammonium compounds
RT: Alums

Ammonoidea

BT: Cephalopoda

Amortization

Non-Preferred
USE: Accounting

Amphibia

BT: Vertebrata
 Vertebrate palaeontology
NT: Labyrinthodontia
RT: Tetrapods

Amphiboles

BT: Silicate minerals
NT: Actinolite
 Anthophyllite
 Arfvedsonite
 Cummingtonite
 Glaucophane
 Grunerite
 Hastingsite
 Hornblende
 Nephrite
 Riebeckite
 Tremolite
 Uralite
RT: Amphibolization
 Asbestos
 Pyroxene

Amphibolite

BT: Metamorphic rocks
NT: Ortho amphibolite
 Para amphibolite

Amphibolite facies

BT: Metamorphic facies
RT: Eclogite facies
 Epidote amphibolite facies
 Granulite facies
 Hornfels facies
 Pyroxene hornfels facies

Amphibolite schist

BT: Schist

Amphibolization

BT: Mineralization
RT: Amphiboles

Amplitude versus offset

Non-Preferred
USE: AVO methods

AMT surveys

Non-Preferred
USE: Magnetotelluric surveys

Amygdaloidal textures

BT: Rock textures

Amygdules

Non-Preferred
USE: Geode

Anabranching

BT: Rivers

Anaerobic decay

Non-Preferred
USE: Anaerobic processes

Anaerobic processes

BT: Biogeochemistry
RT: Aerobic processes
 Bacterial reduction
 Microorganisms
 Reducing environment
UF: Anaerobic decay

Anaerobic sediments

BT: Sediments

Analcime

BT: Zeolite minerals
RT: Scolecite
UF: Analcite

Analcime basalt

BT: Basalt
UF: Analcime basanite
 Analcime tephrite
 Olivine analcite

Analcime basanite

Non-Preferred
USE: Analcime basalt

Analcime dolerite

BT: Dolerite
RT: Teschenite

Analcime syenite

BT: Syenite

Analcime tephrite

Non-Preferred
USE: Analcime basalt

Analcimite

BT: Basalt

Analcite

Non-Preferred
USE: Analcime

Analogue computers

BT: Computers
RT: Digital computers
 Hybrid computers
UF: Analogue differential
 analyzers

Analogue data

BT: Data

Analogue differential analyzers

Non-Preferred
USE: Analogue computers

Analogue processing

BT: Data processing

Analogue simulation

BT: Computer simulation
RT: Digital simulation
 Mathematical models

Analysis

NT: Bacteriological analysis
 Chemical analysis
 Financial analysis
 X ray analysis
RT: Synthesis

Analytical chemistry

BT: Chemistry
NT: Chemical analysis
RT: Earth sciences
 Instrumental chemical
 analysis

Anapsida

BT: Reptilia

Anatase

Non-Preferred
USE: Rutile

Anatexis

BT: Metamorphism
RT: Granitization
 Syntexis

Anchoring systems

BT: Engineering
RT: Marine mining
 Offshore structures
UF: Mooring systems

Anchors (rock)

Non-Preferred
USE: Cable bolting

Andalusite

BT: Aluminium silicates
 Industrial minerals
NT: Chialstolite
RT: Kyanite
 Sillimanite

Andalusite schist

BT: Schist
RT: Chialstolite schist

Andesine

BT: Plagioclase
RT: Latite

Andesine basalt

BT: Basalt
RT: Latite
UF: Hawaiiite

Andesite

BT: Intermediate igneous rocks
RT: Basic igneous rocks
 Dacite
 Latite
 Volcanic rocks
UF: Boninite
 Mugearite

Andradite

BT: Garnet

Anemometers

BT: Meteorological instruments

Aneroid barometers

Non-Preferred
USE: Barometers

Anfo

BT: Explosives

Angiospermae

BT: Spermatophyta

Angle of repose

BT: Slope stability
RT: Noncohesive soils
 Soil properties

Anglesite

BT: Lead minerals
 Lead ores
 Sulphate minerals

Anhydrite

BT: Calcium sulphates
 Evaporite minerals
 Industrial minerals
 Sulphate minerals
NT: Anhydrite deposits
RT: Gypsum

Anhydrite deposits

BT: Anhydrite
RT: Gypsum deposits

Animals

Non-Preferred
USE: Fauna

Anion exchange

Non-Preferred
USE: Ion exchange

Anions

BT: Ions

Anisotropy

BT: Physical properties
RT: Isotropy

Ankerite

BT: Carbonate minerals

Annabergite

BT: Nickel minerals
 Nickel ores
UF: Nickel bloom
 Nickel ochre

Annelida

BT: Vermes

Annual reports

BT: Reports
RT: Progress reports

Anodic protection

BT: Corrosion prevention
RT: Cathodic protection

Anodic stripping voltammetry

BT: Voltammetry
RT: Cathodic stripping
 voltammetry

Anomalies

NT: Geochemical anomalies
 Geophysical anomalies

Anorthite

BT: Plagioclase

Anorthoclase

BT: Alkali feldspars

Anorthosite

BT: Ultrabasic rocks
RT: Plutonic rocks

Antarctic regions

BT: Polar regions

Antecedent streams

BT: Streams
RT: Consequent streams
 Subsequent streams
UF: Superimposed drainage

Antecedent valleys

BT: Geomorphology

Anthophyllite

BT: Amphiboles

Anthozoa

BT: Coelenterata
NT: Coral

Anthracite

BT: Coal
RT: Coal rank
UF: Semianthracite

Anthropogenic factor

BT: Environmental impact
RT: Pollution
UF: Human impact

Anthropology

BT: Social sciences
NT: Palaeoanthropology
RT: Aboriginal site surveys
 Aboriginals
 Archaeology
 Vertebrate palaeontology

Anticlines

BT: Folds
NT: Baldheaded anticline
 Breached anticline
RT: Domes (geological)
 Geanticlines
 Geosynclines
 Synclines
UF: Brachyantocline

Anticlinorium

BT: Fold system
RT: Synclinorium

Antimony

BT: Non ferrous metals
NT: Antimony deposits
 Antimony minerals
 Antimony mines
 Native antimony

Antimony bloom

Non-Preferred
USE: Valentinite

Antimony deposits

BT: Antimony
 Metalliferous deposits

Antimony minerals

BT: Antimony
 Metalliferous minerals
NT: Cervantite
 Chalcostibite
 Native antimony
 Stibiconite
 Stibnite
 Valentinite

Antimony mines

BT: Antimony
 Mines

Apatite

BT: Igneous rocks
 Metamorphic rocks
NT: Fluorapatite
 Hedyphane
 Mimetite
RT: Calcium phosphates
 Phosphate rock

API gravity

BT: Density
RT: Crude oil

Aplite

BT: Acid igneous rocks
RT: Pegmatite
UF: Granite aplite

Apparent dip

BT: Dip
RT: True dip
UF: False dip

Apparent movement of faults

BT: Faulting
RT: Fault geometry

Apparent porosity

Non-Preferred
USE: Porosity

Apparent resistivity

Non-Preferred
USE: Resistivity

Application of mathematics

Non-Preferred
USE: Mathematical applications

Application software

BT: Computer software
UF: Spreadsheets

Applications

BT: Technology
UF: Uses

Applied potential surveys

Non-Preferred
USE: Mise a la masse surveys

Appraisal wells

BT: Wells
RT: Development wells
UF: Oil appraisal wells

Apron feeders

Non-Preferred
USE: Feeders

Aptian

BT: Chronostratigraphy

Aquamarine

BT: Beryl

Aquapulse

BT: Seismic energy source
RT: Marine seismic surveys

Aqueducts

BT: Water supply
RT: Flumes
 Water tunnels

Aquicludes

BT: Ground water
NT: Aquitards
RT: Aquifers

- Artesian water
Artesian wells
Leaky aquifers
Permeability
Springs
Water table
- Aquifer properties**
BT: Aquifers
NT: Hydraulic conductivity
Transmissivity
RT: Permeability
Porosity
UF: Permeability coefficient
- Aquifer tests**
BT: Pump tests
RT: Well discharge tests
Well tests
UF: Water well tests (aquifer)
- Aquifers**
BT: Ground water
NT: Aquifer properties
Artesian aquifers
Confining beds
Fractured rock aquifers
Leaky aquifers
Unconfined aquifers
RT: Aquicludes
Artesian water
Artesian wells
Ground water recharge
Hydrogeology
Recharge wells
Springs
Water supply
Water table
Water wells
UF: Ground water reservoirs
- Aquitards**
BT: Aquicludes
RT: Confining beds
- Arable land**
BT: Agriculture
RT: Agricultural geology
Land reclamation
Soils
- Arachnida**
BT: Arthropoda
UF: Spiders
- Aragonite**
BT: Carbonate minerals
Evaporite minerals
RT: Calcite
- Arbitration**
BT: Industrial relations
- Arch dams**
BT: Dams
RT: Concrete dams
- Arch gravity dams**
BT: Dams
- Archaean**
BT: Precambrian
- Archaeocyatha**
BT: Invertebrate palaeontology
- Archaeology**
BT: Social sciences
NT: Artefacts
Industrial archaeology
RT: Anthropology
Geology
Palaeoanthropology
Palaeontology
Vertebrate palaeontology
- Architecture**
NT: Buildings
RT: Infrastructure
- Archives**
BT: Information management
RT: Information centres
Libraries
Museums
- Arctic regions**
BT: Polar regions
- Arcuate faults**
BT: Faults
- Areal geology**
Non-Preferred
USE: Regional geology
- Areal maps**
Non-Preferred
USE: Regional maps
- Areal surveys**
Non-Preferred
USE: Regional surveys
- Arenaceous rocks**
BT: Sedimentary rocks
RT: Clastic rocks
Sandstone
- Arenite**
Non-Preferred
USE: Sandstone
- Arete**
BT: Glacial features
- Arfvedsonite**
BT: Amphiboles
- Argentite**
BT: Silver minerals
Sulphide minerals
- Argillaceous limestone**
Non-Preferred
USE: Limestone
- Argillaceous rocks**
BT: Sedimentary rocks
RT: Clastic rocks
- Claystone
Mudstone
Pelite
- Argillaceous sandstone**
Non-Preferred
USE: Sandstone
- Argillite**
Non-Preferred
USE: Mudstone
- Argon**
BT: Rare gases
NT: Argon compounds
Argon isotopes
- Argon argon dating**
BT: Radiometric dating
- Argon compounds**
BT: Argon
- Argon dating**
Non-Preferred
USE: Potassium argon dating
- Argon isotopes**
BT: Argon
- Arid cycle**
Non-Preferred
USE: Arid environment
- Arid environment**
BT: Climatic zones
NT: Deserts
Desiccation (geology)
RT: Climatology
Desert polish
Desiccation breccia
Desiccation conglomerate
Dreikanter
Duricrust
Efflorescence
Gibber
Red beds
Sedimentary environments
UF: Arid cycle
Arid lands
Semiarid lands
- Arid lands**
Non-Preferred
USE: Arid environment
- Arkose**
BT: Sandstone
UF: Feldspathic sandstone
- Arkosic arenite**
Non-Preferred
USE: Sandstone
- Arkosic conglomerate**
Non-Preferred
USE: Conglomerate

Arkosic greywacke

Non-Preferred
USE: Greywacke

Arkosic limestone

Non-Preferred
USE: Limestone

Arkosic sandstone

BT: Sandstone

Aromatic hydrocarbons

BT: Hydrocarbons
NT: Benzene
 Naphthalene
 Phenanthrenes
 Retene
 Toluene
RT: Aliphatic hydrocarbons
UF: Aromatics

Aromatics

Non-Preferred
USE: Aromatic hydrocarbons

Arrival time

BT: Seismic velocity
RT: Seismology

Arsenate mineral deposits

Non-Preferred
USE: Arsenic deposits

Arsenic

BT: Non ferrous metals
NT: Arsenic deposits
 Arsenic isotopes
 Arsenic minerals
 Native arsenic

Arsenic deposits

BT: Arsenic
 Metalliferous deposits
UF: Arsenate mineral deposits

Arsenic isotopes

BT: Arsenic

Arsenic minerals

BT: Arsenic
 Metalliferous minerals
NT: Arsenopyrite
 Loellingite
 Native arsenic
 Niccolite
 Realgar
 Scorodite
 Smaltite
 Sperrylite

Arsenopyrite

BT: Arsenic minerals
 Sulphide minerals

Artefacts

BT: Archaeology
RT: Aboriginal relics

Artesian aquifers

BT: Aquifers
RT: Ground water
UF: Confined aquifer

Artesian basins

BT: Ground water basins
RT: Artesian water
 Sedimentary basins

Artesian bores

Non-Preferred
USE: Artesian wells

Artesian discharge

BT: Artesian wells
RT: Mound springs

Artesian pressure

BT: Hydrostatic pressure

Artesian water

BT: Ground water
NT: Artesian wells
RT: Aquicludes
 Aquifers
 Artesian basins
 Mound springs
 Potentiometric surface
UF: Confined water

Artesian wells

BT: Artesian water
 Water wells
NT: Artesian discharge
RT: Aquicludes
 Aquifers
 Springs
 Subartesian wells
UF: Artesian bores

Arthropoda

BT: Invertebrata
 Invertebrate palaeontology
NT: Arachnida
 Crustacea
 Hexapoda
 Merostomata
 Onychophora
 Trilobita

Artificial diamonds

Non-Preferred
USE: Synthetic diamonds

Artificial ground water recharge

BT: Ground water recharge
NT: Recharge wells
UF: Artificial recharge
 Water spreading

Artificial intelligence

BT: Information technology
RT: Computer software
 Expert systems
 Neural networks

Artificial lift

Non-Preferred
USE: Pumping

Artificial mineral fibres

BT: Mineral fibres
RT: Glass fibres

Artificial recharge

Non-Preferred
USE: Artificial ground water
 recharge

Artificial reefs

BT: Coastal engineering

Artificial satellites

Non-Preferred
USE: Spacecraft

Artificial weathering tests

Non-Preferred
USE: Weathering tests

Asbestos

BT: Aluminium silicates
 Fibrous minerals
 Industrial minerals
 Mineral fibres
NT: Actinolite
 Crocidolite
 Serpentine
RT: Amphiboles
 Carcinogens
 Silicate refractories
 Tremolite
UF: Asbestos deposits

Asbestos cements

BT: Cements

Asbestos deposits

Non-Preferred
USE: Asbestos

Asbestosis

BT: Respiratory diseases
RT: Silicosis

Ash (volcanic)

Non-Preferred
USE: Volcanic ash

Ash analysis

BT: Chemical analysis

Ash content

Non-Preferred
USE: Coal ash

Ash flows

BT: Volcanic ash
RT: Ignimbrite

Asphalt base crudes

Non-Preferred
USE: Crude oil

Asphalt emulsions

Non-Preferred
USE: Asphalts

Asphaltene

BT: Crude oil

Asphaltite

BT: Bitumens

Asphalts

BT: Bitumens
RT: Bituminous cements
 Petroleum products
 Tars
UF: Asphalt emulsions
 Natural asphalts
 Pitch (materials)

Assay

Non-Preferred
USE: Assay value

Assay grade

Non-Preferred
USE: Assay value

Assay value

SN: *Use where assay results have been recorded*
BT: Assaying
UF: Assay
 Assay grade

Assaying

BT: Chemical analysis
NT: Assay value
 Radiometric assaying
 Wet assaying
RT: Sampling
UF: Fire assaying

Asteroids

BT: Extraterrestrial geology
RT: Solar system

Asthenosphere

Non-Preferred
USE: Earth mantle

Astrobleme

Non-Preferred
USE: Meteorite craters

Astrogeology

Non-Preferred
USE: Extraterrestrial geology

Astronomy

BT: Natural science
NT: Eclipse
 Extraterrestrial atmospheres
 Extraterrestrial satellites
 Galaxy
 Milky Way
 Nebular hypothesis
 Radio astronomy
RT: Cosmology
 Geodesy
UF: Geodetic astronomy

Asymmetric folds

Non-Preferred
USE: Inclined folds

Asymmetric ripple mark

Non-Preferred
USE: Ripple marks

Atacamite

BT: Copper minerals

Atlases

BT: Maps
RT: Gazetteers
 Geographic names

Atmosphere (earth)

Non-Preferred
USE: Earth atmosphere

Atmospheric circulation

BT: Climatology

Atmospheric composition

BT: Earth atmosphere
RT: Air pollution
 Atmospheric ozone
 Extraterrestrial atmospheres

Atmospheric corrosion

BT: Corrosion

Atmospheric corrosion tests

Non-Preferred
USE: Corrosion tests

Atmospheric ozone

BT: Ozone
RT: Atmospheric composition

Atmospheric pollution

Non-Preferred
USE: Air pollution

Atmospheric pressure

BT: Meteorology
RT: Barometers
 Pressure
UF: Barometric pressure

Atmospheric radiation

BT: Earth atmosphere
 Radiation
NT: Aurora
RT: Cosmic rays

Atmospheric refraction

BT: Earth atmosphere
RT: Solar radiation

Atmospheric weathering

Non-Preferred
USE: Weathering

Atolls

BT: Coral reefs
RT: Barrier reefs
 Fringing reefs
 Glacial control theory
 Reefs

Atomic absorption spectra

Non-Preferred
USE: Atomic absorption spectroscopy

Atomic absorption spectrometers

Non-Preferred
USE: Atomic absorption spectroscopy

Atomic absorption spectrometry

Non-Preferred
USE: Atomic absorption spectroscopy

Atomic absorption spectroscopy

BT: Atomic spectroscopy
UF: Atomic absorption spectra
 Atomic absorption spectrometers
 Atomic absorption spectrometry

Atomic energy

Non-Preferred
USE: Nuclear energy

Atomic reactors

Non-Preferred
USE: Nuclear reactors

Atomic spectra

BT: Spectra
RT: Absorption spectra
 Atomic structure

Atomic spectroscopy

BT: Spectroscopy
NT: Atomic absorption spectroscopy
 Atomic structure
 Gamma spectroscopy
 Mass spectroscopy
 Neutron spectroscopy
 X ray atomic spectroscopy
 X ray fluorescence spectroscopy
RT: Ultraviolet spectroscopy
 X ray spectroscopy

Atomic structure

BT: Atomic spectroscopy
NT: Atomic weight
RT: Atomic spectra
 Molecular structure

Atomic weight

BT: Atomic structure
RT: Chemical properties
 Molecular weight

Atomizing

Non-Preferred
USE: Grinding

Attapulgitite

Non-Preferred
USE: Palygorskite

Attenuation

BT: Seismic velocity
RT: Seismic waves

Atterberg limits

Non-Preferred
USE: Atterberg tests

Atterberg tests

BT: Soil properties
RT: Plastic limit
 Plastic properties
 Soil tests
UF: Atterberg limits
 Liquid limit

Attrition (materials)

Non-Preferred
USE: Comminution

Audio frequency magnetotellurics

Non-Preferred
USE: Afmag surveys

Audio visual materials

BT: Graphic presentation
UF: Slides
 Transparencies

Auditing

Non-Preferred
USE: Accounting

Audits

Non-Preferred
USE: Accounting

Augen gneiss

Non-Preferred
USE: Gneiss

Augen schist

Non-Preferred
USE: Schist

Augen structure

BT: Rock structures

Auger conveyors

Non-Preferred
USE: Screw conveyors

Auger drilling

BT: Drilling
RT: Rotary drilling
UF: Augers

Auger sampling

Non-Preferred
USE: Soil sampling

Augers

Non-Preferred
USE: Auger drilling

Augite

BT: Pyroxene
NT: Diallage
UF: Basaltine

Augitite

BT: Basic igneous rocks
 Volcanic rocks

Aurora

BT: Atmospheric radiation
UF: Northern lights

Australites

BT: Tektites
RT: Meteorites

Austrian tunnelling method

BT: Tunnelling

Authigenesis

BT: Mineral genesis

Authority to prospect

Non-Preferred
USE: Exploration licences

Autochthonous coal

BT: Coal
 Coal genesis

Autoclaves

BT: Equipment
RT: Pyrometallurgy

Autogenous grinding

BT: Grinding
UF: Autogenous mills

Autogenous mills

Non-Preferred
USE: Autogenous grinding

Autogenous mining

BT: Mining

Autogenous smelting

BT: Smelting
RT: Pyrometallurgy

Automatic control

BT: Automation
 Control systems
RT: Remote control

Automatic data processing

Non-Preferred
USE: Data processing

Automatic image analysis

Non-Preferred
USE: Image analysis

Automatic processing

Non-Preferred
USE: Automation

Automation

NT: Automatic control
 Robotics
RT: Computer control
 Equipment
 Mechanization
 Remote control
UF: Automatic processing

Autunite

BT: Uranium minerals
NT: Saleeite

Avalanche bedding

BT: Sedimentary structures

Avalanches

BT: Landslides

Aves

BT: Vertebrata
 Vertebrate palaeontology
UF: Birds

AVO methods

BT: Seismic reflection methods
UF: Amplitude versus offset

Axial flow compressors

Non-Preferred
USE: Compressors

Axial plane

BT: Fold geometry

Axial plane cleavage

BT: Cleavage
RT: Foliation
 Schistosity

Axial symmetry

Non-Preferred
USE: Fold geometry

Axial trace

Non-Preferred
USE: Fold geometry

Axis of symmetry

Non-Preferred
USE: Crystallographic axis

Azurite

BT: Carbonate minerals
 Copper minerals
 Copper ores

B**B horizon**

Non-Preferred
USE: Soil horizons

Back arc basins

BT: Island arcs
RT: Fore arc basins

Back filling

Non-Preferred
USE: Mine filling

Back pressure

Non-Preferred
USE: Formation pressure

Back reefs

Non-Preferred
USE: Reefs

Backdeep

BT: Geological structures
UF: Epieugeosyncline

Background noise

BT: Signal processing
NT: Signal to noise ratio
RT: Background radiation
 Seismic noise
UF: Noise (electromagnetic)

Background radiation

BT: Radiation
RT: Background noise
 Radioactivity surveys

Backhoes

BT: Excavation equipment

Backwater curve

Non-Preferred
USE: Flow profile

Bacteria

BT: Microorganisms
NT: Sulphur bacteria
 Thermophiles
RT: Aerobic processes

Bacterial leaching

BT: Leaching
 Microbiological processes
RT: Heap leaching
 Hydrometallurgy
 Microorganisms
 Sulphate reduction
 Sulphur bacteria

Bacterial oxidation

BT: Microbiological processes

Bacterial reduction

BT: Microbiological processes
RT: Anaerobic processes
 Sulphate reduction
UF: Biological reduction

Bacteriological analysis

BT: Analysis
 Biochemistry

Bag house

BT: Dust control

Bagasse

BT: Biomass
 Fuels
RT: Waste to heat

Balance of payments

Non-Preferred
USE: Trade balance

Balance of trade

Non-Preferred
USE: Trade balance

Balanced cross sections

BT: Structural analysis
RT: Cross sections

Baldheaded anticline

BT: Anticlines
RT: Breached anticline
 Structural closure

Ball clay

BT: Clays
 Industrial minerals
RT: Kaolin
 Kaolinite

Ball milling

BT: Grinding

Ball mills

BT: Grinding mills
RT: Pebble mills
 Rod mills
UF: Conical mills

Balling

Non-Preferred
USE: Agglomeration

Bananite

Non-Preferred
USE: Adamellite

Banded agate

Non-Preferred
USE: Agate

Banded coal

BT: Coal

Banded gneiss

BT: Gneiss

Banded iron formation

BT: Ironstone
RT: Jaspilite
 Taconite
UF: Banded ironstone
 BIF

Banded ironstone

Non-Preferred
USE: Banded iron formation

Banding

BT: Glacial features
 Metamorphic rocks
 Sedimentary rocks

Banket

Non-Preferred
USE: Conglomerate

Bar sediments

Non-Preferred
USE: Fluvial sediments

Barchan

BT: Dunes

Barite

BT: Industrial minerals
 Sulphate minerals
NT: Barite deposits
RT: Barytocalcite
 Drilling fluids
 Heavyweight aggregates
UF: Barytes

Barite deposits

BT: Barite
 Non metalliferous deposits

Barium

BT: Alkaline earth metals
NT: Barium isotopes
 Barium minerals

Barium isotopes

BT: Barium

Barium minerals

BT: Barium

Barographs

Non-Preferred
USE: Barometers

Barometers

BT: Meteorological instruments
RT: Altimeters
 Atmospheric pressure
 Pressure measurement
 Vacuum gauges
UF: Aneroid barometers
 Barographs
 Microbarographs

Barometric levelling

BT: Surveying

Barometric pressure

Non-Preferred
USE: Atmospheric pressure

Barrage sampling

Non-Preferred
USE: Bulk sampling

Barrages (dams)

Non-Preferred
USE: Dams

Barred basin

Non-Preferred
USE: Restricted basins

Barrier ice

Non-Preferred
USE: Sea ice

Barrier reefs

BT: Coral reefs
RT: Atolls
 Fringing reefs
 Glacial control theory

Bars

Non-Preferred
USE: Sandbars

Barysphere

Non-Preferred
USE: Earth core

Barytes

Non-Preferred
USE: Barite

Barytocalcite

BT: Carbonate minerals
RT: Barite
 Calcite
UF: Alstonite
 Bromlite

Basal cleavage

Non-Preferred
USE: Cleavage

Basal conglomerate

Non-Preferred
USE: Conglomerate

Basalt

BT: Basic igneous rocks
 Volcanic rocks
NT: Alkali basalt
 Analcime basalt
 Analcimite
 Andesine basalt
 Flood basalt
 Leucite basalt
 Melilite basalt
 Nepheline basalt
 Olivine basalt
 Picrite basalt
 Quartz basalt
 Tholeiite
RT: Dolerite
 Gabbro
 Keratophyre
 Latite
 Leucitite
 Limburgite
 Nephelinite
 Oceanic crust
 Shoshonite
 Tachylite
 Ultrabasic rocks
UF: Spilite

Basaltine

Non-Preferred
USE: Augite

Basanite

Non-Preferred
USE: Alkali basalt

Base courses and pavements

BT: Foundations
RT: Engineering geology

Base exchange

Non-Preferred
USE: Ion exchange

Base level

BT: Denudation
RT: Cycle of erosion

Peneplains

Peneplanation

Base line

BT: Surveying
RT: Datum

Base line data

BT: Environmental impact
 surveys
 Geochemical exploration
 Geophysical surveys

Base maps

BT: Maps
RT: Cadastral maps
 Field maps
 Geological maps
 Photo maps
 Topographic maps

Base metal deposits

BT: Base metals
 Metalliferous deposits
NT: Copper deposits
 Lead deposits
 Nickel deposits
 Sulphide deposits
 Zinc deposits

Base metal exploration

BT: Base metals
 Mineral exploration

Base metals

BT: Metals
 Non ferrous metals
NT: Base metal deposits
 Base metal exploration
 Copper
 Lead
 Nickel
 Zinc
UF: Heavy metals

Baseflow

BT: Ground water
 Ground water discharge

Basement

BT: Earth crust
NT: Basement depth
 Magnetic basement
RT: Bed rock
UF: Crystalline basement

Basement depth

BT: Basement
NT: Basement depth maps

Basement depth maps

BT: Basement depth
 Isopach maps
RT: Magnetic basement maps

Basic converters

BT: Converters

Basic front

Non-Preferred
USE: Mafic front

Basic igneous rocks

BT: Igneous rocks
NT: Augitite
 Basalt
 Chromitite
 Dolerite
 Gabbro
 Lamprophyre
 Leucitite
 Norite
 Ophiolites
 Shoshonite
RT: Andesite
 Diorite
 Eclogite
 Epidiorite
 Latite
 Nephelinite
 Ultrabasic rocks
UF: Basic rocks
 Mafic rocks

Basic openhearth process

Non-Preferred
USE: Openhearth process

Basic oxygen process

BT: Steel making

Basic refractories

Non-Preferred
USE: Refractory materials

Basic rocks

Non-Preferred
USE: Basic igneous rocks

Basin analysis

BT: Sedimentary basins
NT: Basin geometry

Basin geometry

BT: Basin analysis

Basin range structure

BT: Geomorphology

Basins

BT: Geological structures
NT: Drainage basins
 Foreland basins
 Ground water basins
 Ocean basins
 Sedimentary basins
RT: Lakes
UF: Geological basins

Bastnaesite

BT: Rare earth minerals

Batholiths

BT: Igneous intrusions

Bathyal zone

BT: Oceanic zones
RT: Continental slope

Bathymetric charts

Non-Preferred
USE: Oceanographic charts

Bathymetry

BT: Oceanography
RT: Geophysics
 Side scan sonar
 Solid earth geophysics
 Sonic detection

Bathysphere

Non-Preferred
USE: Earth core

Batteries (electrical)

Non-Preferred
USE: Storage batteries

Batteries (mine)

Non-Preferred
USE: Stamp batteries

Batteries (stamp)

Non-Preferred
USE: Stamp batteries

Battery chargers

BT: Storage batteries

Battery locomotives

BT: Locomotives
RT: Electric vehicles

Bauxite

BT: Aluminium ores
 Oxide minerals
NT: Bauxite mines
 Bauxitization
RT: Alumina
 Diaspore
 Red mud
 Residual deposits

Bauxite deposits

Non-Preferred
USE: Aluminium deposits

Bauxite mines

BT: Aluminium
 Bauxite
 Mines

Bauxitization

BT: Bauxite

Bay ice

Non-Preferred
USE: Sea ice

Bayer process

BT: Aluminium smelting

Bays

BT: Coastal features

Beach breccia

BT: Breccia
RT: Beach rock

Beach concentrate

Non-Preferred
USE: Mineral sands

Beach erosion

BT: Beaches
 Coastal erosion
 Soil erosion
RT: Breakwaters
 Coast protection
 Coastal engineering
 Ocean waves
 Water waves
UF: Shore erosion

Beach mining

Non-Preferred
USE: Mineral sand mining

Beach protection

Non-Preferred
USE: Coast protection

Beach rock

BT: Marine sediments
RT: Beach breccia
 Littoral environment

Beach sand mining

Non-Preferred
USE: Mineral sand mining

Beach sands

BT: Sands
RT: Mineral sand mining
 Mineral sands

Beaches

BT: Coastal features
NT: Beach erosion
 Raised beaches
 Sandbars
 Swash zone
RT: Dunes
 Littoral zone

Beam pumps

BT: Pumps
RT: Sucker rod pumps

Bearing capacity

BT: Physical properties
 Soil mechanics
RT: Cohesion
 Foundations
 Slope stability
 Soil pressure
 Soil tests
UF: Bearing strength
 Ultimate bearing capacity

Bearing piles

BT: Piles

Bearing strength

Non-Preferred
USE: Bearing capacity

Bed (stratigraphic)

Non-Preferred
USE: Stratum

Bed load

BT: River load
RT: Rivers
 Sediment transport
 Sedimentation
 Streams
 Suspended sediments

Bed rock

BT: Geological structures
RT: Basement
 Soils

Bed rock sampling

Non-Preferred
USE: Rock chip sampling

Bedding faults

BT: Faults
UF: Bedding plane fault
 Bedding plane slip

Bedding plane cleavage

BT: Cleavage
UF: Bedding plane parting

Bedding plane fault

Non-Preferred
USE: Bedding faults

Bedding plane parting

Non-Preferred
USE: Bedding plane cleavage

Bedding plane slip

Non-Preferred
USE: Bedding faults

Bedding planes

BT: Sedimentary structures

Beehive kilns

Non-Preferred
USE: Furnaces

Beerbachite

Non-Preferred
USE: Hornfels

Beidellite

Non-Preferred
USE: Clay minerals

Belt conveyors

BT: Conveyors
NT: Cable belt conveyors
 High angle conveyors
RT: Mine transportation
 Ore transportation
UF: Conveyor belts

Belt feeders

Non-Preferred
USE: Feeders

Bench stoping

BT: Cut and fill mining

Benchmarking

BT: Quality assurance

Beneficiation

BT: Mineral processing

NT: Mineral beneficiation
Mineral concentrates

UF: Ore beneficiation

Benefit cost analysis

Non-Preferred

USE: Cost benefit analysis

Benefit cost ratios

Non-Preferred

USE: Cost benefit analysis

Benioff seismic zone

Non-Preferred

USE: Benioff zones

Benioff zones

BT: Subduction zones

RT: Plate tectonics
Sea floor spreading

UF: Benioff seismic zone

Benthonic foraminifera

BT: Foraminifera

Benthonic zone

BT: Oceanic zones

RT: Littoral zone
Marine geology
Sea floor

Bentonite

BT: Clay minerals

RT: Absorbents
Activated clay
Activating reagents
Fullers earth
Industrial minerals
Montmorillonite

Benzene

BT: Aromatic hydrocarbons

Bergschrund

BT: Glacial features

RT: Crevasses
Land ice

Berkelium

BT: Actinide series

Berkelium isotopes

BT: Radioactive isotopes

Berms

Non-Preferred

USE: Sandbars

Bernoullis theorem

BT: Hydrodynamics

Berthierine

BT: Septechlorite

Beryl

BT: Gemstones
Industrial minerals

NT: Aquamarine

RT: Emerald
Beryllium

Beryllium

BT: Alkaline earth metals

NT: Beryllium isotopes

RT: Beryl

Beryllium detectors

BT: Radiation measuring
instruments

RT: Radioactivation analysis

Beryllium isotopes

BT: Beryllium

Beryllium moderated reactors

Non-Preferred

USE: Nuclear reactors

Bessemer converters

BT: Converters

Bessemer ore

BT: Iron ores

Beta radiation

BT: Nuclear radiation

RT: Alpha radiation
Gamma radiation
Radioactive decay

BHP

Non-Preferred

USE: Bottom hole pressure

Bibliographic databases

Non-Preferred

USE: Reference databases

Bibliographies

BT: Documentation

RT: Encyclopaedias
Indexes (documentation)
Literature reviews

Bicadinanes

Non-Preferred

USE: Biomarker hydrocarbons

BIF

Non-Preferred

USE: Banded iron formation

Big bang theory

BT: Origin of the universe

RT: Cosmology

Billabongs

BT: Lakes

RT: Oxbow lake
River features
Waterholes

Binary granite

BT: Granite

UF: Two mica granite

Binders (materials)

BT: Industrial materials

RT: Briquetting
Pelleting

Binocular microscopes

BT: Microscopes

Bins

BT: Containers

RT: Chutes
Hoppers
Silos

Biochemical cycles

BT: Biochemistry

NT: Geochemical cycles

NT: Carbon cycle
Nitrogen cycle
Oxygen cycle
Phosphorus cycle
Sulphur cycle

Biochemical fuel cells

Non-Preferred

USE: Fuel cells

Biochemistry

BT: Chemistry

NT: Bacteriological analysis
Biochemical cycles
Palaeobiochemistry

Bioclimatology

BT: Climatology

Biodegradability

Non-Preferred

USE: Biodegradation

Biodegradation

BT: Microbiological processes

RT: Waste treatment

UF: Biodegradability

Biodiversity

BT: Ecology

Biofacies maps

Non-Preferred

USE: Facies maps

Biofiltration

BT: Filtration

Biogenesis

BT: Origin of life

NT: Biogenic sedimentation

RT: Algal structures
Coal
Coral reefs
Limestone
Palaeontology

Biogenic sedimentation

BT: Biogenesis
Sedimentation

Biogeochemical exploration

BT: Biogeochemistry
Geochemical exploration

NT: Geobotanical exploration

RT: Indicator plants

UF: Biogeochemical prospecting

Biogeochemical prospecting

Non-Preferred

USE: Biogeochemical exploration

Biogeochemistry

BT: Geochemistry

NT: Aerobic processes

Anaerobic processes

Biogeochemical exploration

Microbiological processes

Photosynthesis

RT: Geomicrobiology

UF: Biogeology

Biogeography

BT: Geography

NT: Palaeobiogeography

RT: Ecology

Biogeology

Non-Preferred

USE: Biogeochemistry

Biographies

BT: History

RT: Obituaries

Bioherms

BT: Reefs

NT: Mud mounds

RT: Algal reefs

Coral reefs

Reef limestone

UF: Biostrome

Fossil reefs

Biological aerosols

Non-Preferred

USE: Aerosols

Biological control

BT: Biotechnology

Biological energy sources

Non-Preferred

USE: Biomass

Biological indicators

Non-Preferred

USE: Biomarkers

Biological markers

Non-Preferred

USE: Biomarkers

Biological oxidation

BT: Oxidation

Biological processes

Non-Preferred

USE: Microbiological processes

Biological reduction

Non-Preferred

USE: Bacterial reduction

Biological surveys

BT: Surveys

RT: Environmental impact surveys

Biomarker hydrocarbons

BT: Biomarkers

Hydrocarbons

RT: Organic geochemistry

UF: Bicinanes

Botryococcane

Cheilanthanes

Dinosterane

Diterpanes

Drimanes

Gammacerane

Hopanes

Isoprenoid alkanes

Oleanane

Phytane

Pristane

Sesquiterpanes

Squalane

Steranes

Terpanes

Triterpanes

Biomarkers

BT: Organic chemistry

NT: Biomarker hydrocarbons

RT: Environmental impact

Sedimentation

UF: Biological indicators

Biological markers

Biomass

BT: Renewable energy

NT: Bagasse

Waste to heat

RT: Alcohol fuels

Synthetic fuels

UF: Biological energy sources

Bioremediation

BT: Microbiological processes

Waste treatment

NT: Biosorption

RT: Microorganisms

Rehabilitation

Sequencing batch reactor

Biosorption

BT: Bioremediation

Biosphere

NT: Earth atmosphere

Earth hydrosphere

Earth lithosphere

UF: Earth biosphere

Biostatistics

BT: Statistics

Biostratigraphic correlation

BT: Biostratigraphy
Stratigraphic correlation

Biostratigraphic logs

BT: Logs

Biostratigraphic unit

BT: Biostratigraphy

Biostratigraphic zone

BT: Biostratigraphy

UF: Biozone

Biostratigraphy

BT: Stratigraphy

NT: Biostratigraphic correlation

Biostratigraphic unit

Biostratigraphic zone

Faunal break

Faunal evolution

Faunal extinctions

Faunal stage

Faunal succession

Faunal zone

Floral stage

Floral succession

Floral zone

RT: Floral break

Floral evolution

Floral extinctions

Palaeontology

Biostrome

Non-Preferred

USE: Bioherms

Biota

BT: Ecology

NT: Riparian zone

Termite mounds

Wetlands

RT: Fauna

Flora

Biotechnology

BT: Engineering

NT: Biological control

Genetic engineering

Biotite

BT: Mica

RT: Muscovite

Biotite gneiss

BT: Gneiss

Biotite schist

BT: Mica schist

Bioturbation

BT: Microbiological processes

Biozone

Non-Preferred

USE: Biostratigraphic zone

Birds

Non-Preferred

USE: Aves

Birefringence

Non-Preferred
USE: Shear wave splitting

Bismuth

BT: Non ferrous metals
NT: Bismuth isotopes
 Bismuth minerals
 Maldonite

Bismuth glance

Non-Preferred
USE: Bismuthinite

Bismuth isotopes

BT: Bismuth

Bismuth minerals

BT: Bismuth
 Metalliferous minerals
NT: Bismuthinite
 Bismutite

Bismuth spar

Non-Preferred
USE: Bismutite

Bismuthinite

BT: Bismuth minerals
UF: Bismuth glance

Bismutite

BT: Bismuth minerals
UF: Bismuth spar

Bits (tools)

Non-Preferred
USE: Drill bits

Bitterns

BT: Salt water
RT: Brines
 Sea water

Bitumen stripping test

BT: Physical tests
RT: Aggregates

Bitumenite

Non-Preferred
USE: Torbanite

Bitumens

BT: Petroleum
NT: Asphaltite
 Asphalts
 Bituminous cements
 Coal tar
 Coastal bitumens
 Gilsonite
 Tars
RT: Waxes
UF: Bituminous materials
 Natural bitumens

Bituminous bonded refractories

Non-Preferred
USE: Refractory materials

Bituminous cements

BT: Bitumens
 Cements
RT: Asphalts
 Oil well cements

Bituminous coal

BT: Coal
RT: Cannel coal
 Coal rank
 Subbituminous coal
UF: Black coal

Bituminous materials

Non-Preferred
USE: Bitumens

Bituminous sands

BT: Oil sands
RT: Petroleum resources
UF: Tar sands

Bituminous shale

Non-Preferred
USE: Oil shale

Bivalvia

BT: Mollusca
NT: Trigonidae
UF: Lamellibranchia
 Pelecypoda

Black and white aerial photography

BT: Aerial photography

Black coal

Non-Preferred
USE: Bituminous coal

Black opal

Non-Preferred
USE: Opal

Black sand

Non-Preferred
USE: Mineral sands

Black shale

Non-Preferred
USE: Carbonaceous shale

Black smokers

Non-Preferred
USE: Submarine hydrothermal vents

Blanket sands

BT: Sediments
RT: Sands
UF: Sheet sands

Blast furnaces

BT: Metallurgical furnaces
NT: Raceway
RT: Converters

Blasthole drilling

Non-Preferred
USE: Rock drilling

Blasthole mining

BT: Mining

Blasting

BT: Physical processes
NT: Blasting design
 Blasting methods
 Blasting vibration
 Detonation
 Explosion effects
 Explosions
 Explosives
 Flyrock
 Fuses
 Misfires
 Rock fragmentation
 Secondary blasting
 Underwater blasting
RT: Drilling
 Face preparation (mining)
 Property damage
 Rock mechanics

Blasting caps

Non-Preferred
USE: Detonators

Blasting design

BT: Blasting
NT: Presplitting
 Tunnel blast

Blasting gelatins

BT: Explosives

Blasting methods

BT: Blasting
NT: Smooth blasting

Blasting vibration

BT: Blasting
NT: Shock waves
RT: Vibrographs

Blastoidea

BT: Crinozoa

Blastomylonite

BT: Metamorphic rocks
RT: Mylonite

Bleaching clay

BT: Clays

BLEG sampling

BT: Geochemical sampling
UF: Bulk cyanide extractable gold
 Bulk cyanide leach
 Bulk leach extractable gold

Blende

Non-Preferred
USE: Sphalerite

Blenders

Non-Preferred
USE: Blending