

List of Entries

a
aa
abduction
abiotic
ablation
ablation zone
above-ground productivity
abrasion
abrupt climatic change
abscissa
absolute counting
absolute sea level
absolute temperature
absorption
absorption spectrum
abstraction
abyssal
accelerator mass spectrometry
 (AMS) dating
accessory mineral
acclimatisation
accommodation space
accordant summits
accretion
accretionary complex
acculturation
accumulated temperature
accumulation area ratio (AAR)
accumulation rate
accumulation zone
accuracy
acid
acid deposition
acid mine drainage
acid precipitation
acid rain
acid soils
acid sulfate soils
acidification

acidity
acidity record of volcanic eruptions
Acrisols
acrotelm
activation function
active continental margin
active layer
active volcano
actualism
adaptation
adaptation of people
adaptionist approach
adaptive capacity
adaptive cycle
adaptive management
adaptive radiation
adhesion
adiabatic processes
adjacency
adsorption
advection
aeolation
aeolian
aeolian sediments
aeolian zone
aeolianite
aerial photography
aerobic
aerobiology
aerology/aeronomy
aerosols
aesthetic degradation
aesthetics
aestivation
afforestation
afforestation: ecological impacts
afforestation: impacts on
 hydrology and
 geomorphology

African Humid Period
Afro-alpine zone
after present (AP)
aftershock
age
age calibration
age-depth models
aggradation
aggregate stability
aggregation
aggressive water
agrarian civilisation
agricultural abandonment
agricultural history
agricultural impact on climate
agricultural impact on
 geomorphology
agricultural impact on soils
agricultural intensification
agricultural origins
agricultural revolution
agricultural waste
agriculture
agrochemicals/agrichemicals
agroclimatology/agrometeorology
agrodiversity
agro-ecological zone
agro-ecology
agro-ecosystem
agroforestry
agronomy
AIDS
air capture (AC)
air mass
air pollution
air quality
air subsidence
air temperature
airborne remote sensing

- airfall
 airflow types
 airshed
 alas
 albedo
 Albeluvisols
 algae/algal analysis
 algal bloom
 algorithm
 alien species
 Alisols
 alkali
 alkaline soils
 alkalinity
 alkalisations
 alkenones
 allele
 allelopathy
 allergen
 Allerød Interstadial
 allochthonous
 allocyclic change
 allogenic change
 alluvial architecture
 alluvial deposits
 alluvial fan
 alluvial fill
 alluvial soils
 alluvial stratigraphy
 alluviation
 alluvium
 along-track direction
 alp
 alpine zone
 alternative energy
 alternative stable states
 alternative technology
 altimetry
 altitudinal zonation
 aluminium (Al)
 amber
 amendments
 amensalism
 americium-241 dating
 amino acid dating
 amorphous
 amplitude
 anabranching
 anaerobic
 analogue method
 analogue model
 analysis of covariance (ANCOVA)
 analysis of variance (ANOVA)
 anatomically modern
 humans (AMH)
- ancient woodland
 Andosols
 angiosperms
 angle of repose
 anhysteretic remanent
 magnetisation (ARM)
 animal diseases
 animal remains
 annotation
 annual
 annual mean air temperature
 annual moraines
 annual variability
 annually laminated sediment
 annually resolved record
 annular mode
 anomalies
 anoxia/anoxic
 antagonism
 Antarctic
 Antarctic convergence
 Antarctic cooling and warming
 Antarctic environmental
 change
 Antarctic Front
 Antarctic Oscillation (AAO)
 antecedent drainage
 antecedent soil moisture
 anthracology
 anthrobleme
 anthrome
 anthropogenic processes
 Anthropocene
 anthropocentrism
 anthropochore
 anthropogene
 anthropogenic
 anthropogenic hazards
 anthropogenic indicators
 anthropogenic soil horizons
 anthropogeomorphology
 anthropology
 anthroposphere
 Anthrosols
 antibiotic
 anticyclone
 antitrades
 ants
 aphelion
 aphotic zone
 apophyte
 apparent age
 apparent mean residence
 time (AMRT)
 apparent polar wander (APW)
- applied science
 appropriate technology
 aquaculture
 aqualithic
 aquatic ape theory
 aquatic environment
 aqueduct
 aquiclude
 aquifer
 aquitard
 arboreal
 arboreal pollen (AP)
 arborescent
 arboriculture
 arc
 Archaea
 Archaean
 archaeobiology
 archaeoglaciology
 archaeological chemistry
 archaeological geology
 archaeological prospection
 archaeological timescale
 archaeology
 archaeomagnetic dating
 archaeomagnetism
 archaeometry
 archaic humans
 architectural element
 analysis
 archive
 Arctic
 Arctic environmental change
 Arctic Front
 Arctic haze
 Arctic Oscillation (AO)
 Arctic warming
 ard marks
 area generalisation
 area labels
 area patch generalisation
 arenaceous
 arenite
 Arenosols
 areography
 argillaceous
 argillite
 argon-argon (Ar-40/Ar-39)
 dating
 aridity
 aridland
 aridland: past environmental
 change
 aridland vegetation
 arkose

- armouring
 arroyo
 arsenic (As)
 artefact/artifact
 artesian
 artificial
 artificial ground
 artificial shoreline
 asbestos
 ash content
 ash fall
 ash flow
 aspect
 assemblage
 assemblage zone
 association
 asteroids
 asthenosphere
 astrobiology
 astrobleme
 astrochronology
 astrogeology
 asymmetrical valley
 Atlantic
 Atlantic Multidecadal Oscillation
 (AMO)
 atmosphere
 atmosphere-ocean interaction
 atmospheric composition
 atmospheric correction
 atmospheric dust
 atmospheric loading
 atmospheric sciences
 atmospheric tides
 atoll
 atom
 atomic absorption
 spectrophotometry (AAS)
 Atterberg limits
 attractor
 attribute
 attribution
 auger
 autecology
 authigenic
 autochthonous
 autocompaction
 autocorrelation
 autocyclic change
 autogenic change
 automatic weather
 station (AWS)
 autoregressive (AR) modelling
 autoregressive moving average
 (ARMA) modelling
 autotrophic organism
 autovariation
 avalanche
 avulsion
 axiom
 azimuth
Azolla interval
 azonal soil
 b2k
 back-arc
 background level
 background rate
 backscattering
 bacteria
 badlands
 bajada
 balance of nature
 balanced cross section
 Banded Iron Formation (BIF)
 bank erosion
 bankfull discharge
 bar (coastal and river)
 barchans
 barrier beach
 barrier island
 barrier reefs
 basalt
 base
 base level
 base saturation
 baseflow
 basement
 basin analysis
 bathyal
 bathymetry
 bauxite
 Bayesian statistics
 beach deposits
 beach mining
 beach nourishment
 beach ridges
 beach scraping
 beachrock
 beamwidth
 Beaufort scale
 bed
 bedding
 bedform
 bedform stability diagram
 bedload
 bedrock
 bedrock channel
 beetle analysis
 before present (BP)
 below-ground productivity
 bench terrace
 benthic
 benthos
 bias
 bidirectional reflectance
 distribution function (BRDF)
 big bang
 binge-purge model
 bio-accumulation
 bio-archaeology
 biochar
 biochemical oxygen
 demand (BOD)
 bioclimatology
 biodegradability
 biodegradation
 biodiversity
 biodiversity loss
 biodiversity offsets
 bio-energy
 biofacies
 biogasification
 biogenic carbonate
 biogenic sediment
 biogeocenosis/biogeocoenosis
 biogeochemical cycles
 biogeochemistry
 biogeography
 biogeomorphology
 bioherm
 bio-indicators
 biokarst
 biological control
 biological half-life
 biological invasion
 biological magnification
 biological oceanography
 biological pollution
 biological sciences
 biological species
 biological weathering
 biomagnetics
 biomantle
 biomarker
 biomass
 biomass burning
 biome
 bionomenclature
 biopiracy
 bioplastics
 bioprospecting
 bioregional management
 bioregionalism
 bioremediation

- biosecurity
 biosphere
 biosphere reserves
 biostasy
 biostratigraphy
 biotechnology
 biotic
 bioturbation
 birth rate
 black shale
 black smoker
 blackbody radiation .
 blanket mire
 blockfields
 blocking
 blowout
 blue holes
 blue-water refugium
 Blytt-Sernander timescale
 body fossil
 bog burst
 bog people
 bolide
 Bølling Interstadial
 bolus
 bomb effect
 Bond cycle
 Bond events
 bones
 Boolean logic
 boom and bust cycles
 bootstrapping
 Boreal
 boreal forest
 boreal forest history
 borehole
 bornhardt
 botanical gardens
 bottleneck
 bottom water
 boulder
 boulder beach
 boulder clay
 boulder pavements
 boundary conditions
 boundary layer
 bounding surface
 brackish water
 braiding
 breakwater
 breccia
 brickearth
 brine rejection
 bristlecone pine
 Bronze Age
 brousse tigrée
 Brown Earth
 brown field sites
 Brückner cycle
 Bruun rule
 bryophyte analysis
 buffer zone
 buffer zone in GIS
 buffering
 building decay
 built environment
 bulk density
 buried soil
 buried valley
 bush encroachment
 bush meat
 business-as-usual scenario
 C-3, C-4, CAM plants
 cadmium (Cd)
 cadmium:calcium
 ratio (Cd:Ca)
 caesium-137
 Calcisols
 calcium (Ca)
 calcium cycle
 calcium-41
 calcrete
 caldera
 calendar/calendrical age/date
 calibrated-age dating
 calibration
 calibration of radiocarbon dates
 calibration strategies
 calving
 calving glaciers
 cambering
 Cambisols
 cambium
 Cambrian
 Cambrian explosion
 cancer
 canonical correlation analysis
 canonical correspondence
 analysis (CCA)
 canyon
 capillary action
 capitalism
 caprock
 captive breeding
 carbon assimilation
 carbon balance/budget
 carbon capture and storage (CCS)
 carbon content of soils
 carbon cycle
 carbon dioxide
 carbon dioxide fertilisation
 carbon dioxide variations
 carbon emissions trading (CET)
 carbon footprint
 carbon isotopes
 carbon monoxide
 carbon negative
 carbon offsets
 carbon sequestration
 carbon sink/source
 carbon taxation
 carbonate
 carbonate compensation
 depth (CCD)
 carbonation
 Carboniferous
 carbon-neutral activity
 carcinogen
 carnivore
 carr
 carrying capacity
 carse
 Cartesian co-ordinates
 cartography
 case hardening
 cash cropping
 cast
 cataclasis
 catalyst
 catastrophe
 catastrophe theory
 catastrophic event
 catastrophic rock slope failures
 catastrophism
 catena
 cathodoluminescence (CL)
 analysis
 cation exchange capacity (CEC)
 cation-ratio dating
 catotelm
 causal relationship
 cave
 cave art
 cave passage
 cave sediments
 cay
 cement
 cementation
 cenote
 Cenozoic (*Cainozoic*)
 census enumeration district
 Central England Temperature
 Record (CET)
 centres of action

- centroid
 century- to millennial-scale
 variability
 ceramics
 cereal crops
 cereal pollen
 chamber sampler
 channel bar
 channel capacity
 channel change
 channel gradient
 channel pattern
 channel shape
 Channeled Scablands
 channelisation
 chaos theory
 charcoal
 charismatic species
 charred-particle analysis
 chattermark
 chelation
 chemical analysis of soils and
 sediments
 chemical degradation
 chemical denudation
 chemical escape
 chemical oxygen
 demand (COD)
 chemical precipitation
 chemical remediation
 chemical time bomb
 chemical weathering
 chemocline
 chemosphere
 chemostratigraphy
 chemosynthesis
 chenier
 Chernozem
 chert
 chironomid analysis
 chlorine-36
 chlorofluorocarbons (CFCs)
 chlorophyll
 chlorosis
 cholera
 chott
 chronicles
 chronofunction
 chronology
 chronometric age
 chronometry
 chronosequence
 chronostratigraphy
 chronozone
 chrysophyte cyst analysis
 circadian rhythms
 cirque
 cirque altitude analysis
 citizen science
 civil society
 civilisation
 cladistics
 Cladocera analysis
 cladogenesis
 class intervals
 classification
 classification and regression trees
 (CART)
 clast
 clastic
 clay
 clay lunettes
 clay minerals
 clay-humus complex
 claystone
 clay-with-flints
 clear cutting
 climate
 climate change
 climate change: potential future
 ecological impacts
 climate of the last millennium
 climate sensitivity
 climatic archive
 climatic change
 climatic change: past impact on
 animals
 climatic change: past impact on
 humans
 climatic change: past impact on
 landforms and
 geomorphological processes
 climatic change: past impact on
 soils
 climatic change: past impact on
 temperate vegetation
 climatic change: past impact on
 tropical vegetation
 climatic change: potential future
 economic impacts
 climatic change: potential future
 geomorphological impacts
 climatic change: potential future
 impacts on soils
 climatic classification
 climatic discontinuity
 climatic engineering
 climatic extreme
 climatic fluctuation
 climatic forcing
 climatic geomorphology
 climatic hazard
 climatic impact assessment
 climatic models
 climatic modes
 climatic modification
 climatic normals
 climatic oscillation
 climatic prediction
 climatic reconstruction
 climatic scenarios
 climatic system
 climatic vacillation
 climatic variability
 climatic variation
 climatic vulnerability
 climatogenetic geomorphology
 climatology
 climax vegetation
 climbing ripple cross-
 lamination
 cliostratigraphy
 cline
 clutter
 closed system
 cloud computing
 cloud forest
 cloud seeding
 clouds
 clumped isotope
 palaeothermometry
 cluster analysis
 clustering
 coal
 coal balls
 coal-bed methane
 coast
 coastal barriers and bars
 coastal change
 coastal dunes
 coastal engineering structures
 coastal flood
 coastal (shore) protection
 coastal zone management
 coastline
 cobble
 coccolithophores
 cockpit karst
 coefficient of variation
 coevolution
 cohesion
 cold-based glaciers
 collapse of civilisations
 collision zone
 colloid

- colluvial fan
 colluvial history
 colluvial processes
 colluviation
 colluvio-aeolian
 colluvium
 colonialism
 colonisation
 colorimetry
 colour measurement
 Columbian exchange
 combined sewer
 combustion
 cometary impact
 comets
 commensalism
 comminution
 common land
 community assembly
 community concepts
 community conservation
 community ecology
 compaction
 comparative method
 competence
 competition
 complex response
 complex system
 complexing
 complexity
 composting
 compound
 compound-specific carbon
 isotope analysis
 compression
 conceptual model
 concretion
 condensation
 condensation level
 condensation nuclei
 confidence interval
 confidence level
 confirmation
 confirmatory data analysis
 confounding
 conglomerate
 connectivity
 conservation
 conservation biology
 conservation laws
 conservative plate margin
 consilience
 consolidation
 constructive plate margin
 consumer organism
 consumption
 containment
 contaminant
 contaminated land
 contamination of samples
 content analysis
 contextual archaeology
 continent
 continental crust
 continental drift
 continental glaciation
 continental island
 continental margin
 continental rise
 continental shelf
 continental slope
 continentality
 contingent drought
 contour
 contour bund
 contour current
 contour ploughing
 contour ridging
 contract agriculture
 control sites
 controlled fire
 controlled tipping
 convection
 convention
 conventional radiocarbon ages/
 dates
 conventional radiocarbon
 dating
 convergence, in evolution
 convergence and divergence, in
 succession
 conversion
 coombe rock
 co-ordinate
 co-ordinate system
 copper (Cu)
 Copper Age
 coppicing
 coprolite
 coquina
 coral
 coral and coral reefs:
 environmental reconstruction
 coral bleaching
 coral reef
 coral reef islands
 coral reefs: human impact and
 conservation
 coral reefs: impact of tropical
 cyclones
 coral terraces
 core
 core correlation
 core scanning
 corer
 core-satellite model
 corestone
 CORINE land-cover map
 Coriolis force
 coronal mass ejections (CMEs)
 corrasion
 correlated-age dating
 correlation (stratigraphical)
 correlation analysis
 correspondence analysis (CA)
 corrosion
 coseismic
 cosmic radiation
 cosmic-ray flux
 cosmogenic-nuclide dating
 cosmology
 cosmosphere
 cost-benefit analysis
 counterurbanisation
 coupled ocean-atmosphere
 models
 covariance
 coverage
 coversand
 crack propagation
 crag and tail
 Crag deposits
 crater
 craton
 creationism
 creeping environmental
 problems (CEPs)
 Cretaceous
 critical level
 critical load
 critical rationalism
 Cromerian Interglacial
 crop rotation
 cropland
 cropmarks
 cross-bedding
 cross-calibration
 crossdating
 cross-lamination
 cross-stratification
 crowd disease
 crude oil
 crust
 crustal subsidence
 crusting of soil

- cryopedology
 cryoplanation
 cryoplanation terraces
 Cryosols
 cryosphere
 cryostatic pressure
 cryostratigraphy
 cryotic ground
 cryoturbation
 cryptokarst
 cryptotephra
 cryptovolcano
 crystalline
 cuesta
 cultivars
 cultivation
 cultural change
 cultural climatology
 cultural landscape
 cultural resource
 management (CRM)
 culture
 culturomics
 cumulation
 curiosity
 current
 current ripple
 curvature
 cusate foreland
 cut-and-fill
 cuticle
 cyanobacteria
 cyclic regeneration
 cyclicity
 cyclogenesis
 cyclone
 cyclostratigraphy
 cyclothem
 cymatogeny
- Dalton minimum
 Daly level
 dam
 dambo
 Dansgaard-Oeschger
 (D-O) events
 Darwinism
 data acquisition
 data assimilation
 data logger
 data quantity
 data summarisation
 database
 dating techniques
 daughter isotope
- Davisian cycle of erosion
 De Geer moraines
 de Vries effect
 dead ice
 death assemblage
 death rate
 debris
 debris avalanche
 debris cone
 debris flow
 debris-mantled glaciers
 decadal-scale variability
 decarbonisation
 deciduous
 decision-making
 decision-trees
 declination (D)
 décollement
 decolonisation
 decommissioning
 decomposer
 decomposition
 deduction
 deep convection
 deep ecology
 deep water
 deep-sea drilling
 deflation
 defoliant
 deforestation
 deforestation: climatic impacts
 deforestation: ecological impacts
 deforestation: hydrological and
 geomorphological impacts
 deforestation: in the Holocene
 deformation
 degassing
 deglaciation
 deglaciation
 degradation
 degree days
 dehesa
 de-industrialisation
 Delaunay triangulation
 dell
 delta
 delta deposits
 dematerialisation
 demic diffusion
 demographic change
 demographic transition
 demography
 denature
 dendrochronology
 dendroclimatology
- dendroecology
 dendrogeomorphology
 denitrification
 densitometry
 density
 density dependence
 density flow
 density slicing
 denudation
 denudation chronology
 denudation rate
 deposition
 depositional environment
 depression
 derived fossil
 desalination
 desalinisation
 descriptive statistic
 desert
 desert pavement
 desert vegetation
 deserted villages
 desertification
 desiccation
 desiccation cracking
 desilication/desilification
 destructive plate margin
 detachment-limited erosion
 detection
 deteriorated pollen
 determinism
 deterministic model
 detrital
 detrital remnant magnetisation
 detritus
 deuterium excess
 developing countries
 Devensian
 devolution
 Devonian
 dew point
 diachronism
 diachronous
 diagenesis
 diagnostic soil horizons
 diamagnetism
 diamict, diamictite,
 diamicton
 diapir
 diaspora
 diastem
 diastrophism
 diatomite
 diatoms/diatom analysis
 diatrema

- dieback
dielectric constant
diet gap
diffusion
diffusionism
digital elevation model/
matrix (DEM)
digital number (DN)
digital terrain model (DTM)
dikaka
dilatancy
dilation/dilatation
Diluvial Theory
diluvium
dimethyl sulphide (DMS)
Dimlington Stadial
dinoflagellate cyst
analysis
dip
disaster
discharge
discordant drainage
discovery
discriminant analysis
disease
disease burden
disjunct distribution
dispersal
dissolution
dissolved load
distributary
disturbance
disturbed ecosystems
diurnal changes
divergence, in evolution
divergent weathering
diversity anomaly
diversity concepts
diversity indices
diversity-stability hypothesis
DNA
DNA: ancient
documentary evidence
doline
domestic waste
domestication
dominant species
dominant wind
donga
Doppler effect
dormant volcano
double planation surfaces
downscaling
downwelling
draa
drainage basin
drainage density
drainage network
drape
drawdown
dredging
drift
drifters
driftwood
dripline
dropstone
drought
drought: impact on ecosystems
droughts: historical records
drowned karst
drumlin
dry deposition
dry farming
dry ravel
dry valley
dry weight
drylands
dune
duricrust
Durisols
dust
dust: palaeorecords
Dust Bowl
dust storm
dust veil
dust veil
dust veil index (DVI)
dy
dynamical systems
dystrophic lakes
early instrumental
meteorological records
early-Anthropocene
hypothesis
early-warning systems
Earth cycles
Earth laws
Earth observation (EO)
earth pillar
Earth revolutions
Earth science
Earth spheres
Earth structure
Earth system
Earth tremor
earthquake
earthquake engineering
earthquake intensity
earthquake magnitude
earthquake prediction
Earth-surface system
Earth-system analysis (ESA)
Earth-system science
earthworms
éboulis ordonnés
ebullition
eccentricity
ecesis
ecliptic
ecocentrism
ecocline
ecocriticism
ecodesign
ecofact
ecofeminism
ecological collapse
ecological energetics
ecological engineering
ecological evaluation
ecological footprint
ecological goods
ecological group
ecological indicator
ecological integrity
ecological modernisation
ecological response to
environmental change
ecological restoration
ecological services
ecological succession
ecological transition
ecological valuation
ecological value
ecology
ecometabolomics
ecophysiology
ecosphere
ecosystem collapse
ecosystem concept
ecosystem health
ecosystem indicator
ecosystem management
ecosystem stoichiometry
ecotone
ecotope
ecotourism
ecotoxicology
ecotype
ecozone
ecumene
edaphic
edaphic/edaphology/edaphon
edge detection
edge effects

- Ediacaran
 edifice collapse
 effective population size
 effective precipitation
 effluent
 eigenvalue
 ejecta
 Ekman motion
 El Niño
 El Niño-Southern Oscillation (ENSO)
 El Niño-Southern Oscillation: impacts on ecosystems
 electrical conductivity measurements (ECM)
 electromagnetic distance measurement (EDM)
 electromagnetic spectrum
 electron microprobe analysis (EMPA)
 electron paramagnetic resonance
 electron spin resonance (ESR) dating
 electron trap
 element
 elfin woodland
 elm bark beetle
 elm decline
 eluviation
 eluvium
 emergence and emergent properties
 emergent coast
 emerging disease
 emission control
 emissions
 empiricism
 enclosure
 endangered species
 endemic
 endemic bird area (EBA)
 endogenetic
 endokarst
 endorheic
 endorheic lake
 energy (of environment)
 energy balance/budget
 energy dispersive spectrometry (EDS)
 energy flow
 energy recovery
 energy resources
 energy security
 englacial
 enhancement
- entities
 entrainment
 entropy
 entropy and evolution
 environment
 environmental accident
 environmental archaeology
 environmental biology
 environmental burden
 environmental challenges
 environmental change: contemporary importance
 environmental change: history of the field
 environmental chemistry
 environmental crisis
 environmental degradation
 environmental disaster
 environmental disobedience
 environmental economics
 environmental energetics
 environmental engineering
 environmental ethics
 environmental factors
 environmental footprint
 environmental geography
 environmental geology
 environmental governance
 environmental health
 environmental history
 environmental impact assessment (EIA)
 environmental impact on people
 environmental indicator
 environmental issue
 environmental justice
 environmental law
 environmental liability
 environmental literacy
 environmental management
 environmental management system (EMS)
 environmental modelling
 environmental monitoring
 environmental movement
 environmental nuisance
 environmental observation
 environmental philosophy
 environmental physics
 environmental policy
 environmental problem
 environmental protection
 environmental quality
 environmental refugees
 environmental science
- environmental security
 environmental stress
 environmental surprises
 environmental thought
 environmental threat
 environmentalism
 environment-human interactions
 environmetrics
 enzymes
 Eocene
 eoliths
 eon
 epeirogeny
 ephemeral
 epicentre
 epidemic
 epidemiology
 epifauna
 epigenetic
 epiglacial landscape
 epikarst
 epiphyte
 episodic events
 epistemology
 epoch
 epsilon cross-bedding
 equifinality
 equilibrium concepts
 equilibrium concepts in ecological and evolutionary contexts
 equilibrium concepts in geomorphological and landscape contexts
 equilibrium concepts in soils
 equilibrium line
 equilibrium-line altitude (ELA) reconstruction
 equinox
 era
 erg
 ergodic hypothesis
 erionite
 erodibility
 erosion
 erosion, in remote sensing
 erosion pin
 erosion plot
 erosion rate
 erosion surface
 erosivity
 erratic
 error
 esker

- establishment, agencies of
 estuarine circulation
 estuarine environments
 etchplain
 ethno-archaeology
 ethnobiology
 ethnography
 ethological (behavioural)
 adaptations
 Euclidean distance measure
 euphotic zone
 eurytopic organism
 eustasy
 eutrophic
 eutrophication
 euxinia/euxinic
 evaporation
 evaporite
 evapotranspiration
 event
 event deposit
 event stratigraphy
 evergreen
 evolution
 eversion
 excavation
 exfoliation
 exhumed soil/landscape
 exogenetic
 exokarst
 exorheic
 exotic species
 expeditions
 experiment
 experimental archaeology
 experimental design
 exploration
 exploratory data analysis
 exponential growth
 exposure-age dating
 ex-situ conservation
 extinct volcano
 extinction
 extinction crisis
 extirpation
 extractive industry
 extractive reserve
 extrapolation
 extreme climatic event
 extreme climatic events:
 impact on ecosystems
 extreme event
 extreme weather event
 extremophile
 extrinsic and intrinsic forcing
- fabric
 fabric analysis
 facet
 facies
 facies analysis
 facies architecture
 facies association
 facies model
 facies sequence
 facilitation
 factor analysis
 facultative
 faeces analysis
 failure
 fallout
 fallow
 false colour composite
 false rings
 falsification
 famine
 fault
 fault propagation
 fault scarp
 fauna
 faunal provinces
 faunation
 feedback mechanisms
 feldspar
 fen
 Fennoscandian ice sheet
 feral
 fermentation
 ferralitisation
 Ferralsols
 Ferrel cell
 ferricrete
 ferrolysis
 ferromagnetism
 fertigation
 Fertile Crescent
 fertilisers
 fertility
 fetch
 feudalism
 field capacity
 field drainage
 field research
 field systems
 fields
 filtering
 fire frequency
 fire history
 fire impacts: ecological
 fire impacts: geomorphological
 fire scar
- firn
 firn line
 fisheries conservation and
 management
 fissile/fissility
 fission track analysis
 fission-track dating
 fissure eruption
 fjard
 fjord
 flagship species
 Flandrian
 flaser bedding
 flash flood
 floating bog/mire
 floating chronology
 floats
 flocculation
 flood
 flood basalt
 flood control measures
 flood history
 flood magnitude-frequency
 changes
 floodout
 floodplain
 flood-risk management
 floodway
 flora
 floral provinces/realms/regions
 Flores Man
 flotation
 flow slide
 flow till
 fluid dynamics
 fluidisation
 fluorescence spectroscopy
 fluorine dating
 flutes
 fluvial processes
 fluviokarst
 Fluvisols
 fly ash
 flysch
 focus (earthquake)
 fold
 food chain/web
 food security
 Foraminifera
 Foraminifera: analysis
 Foraminifera:
 palaeoenvironmental
 reconstructions
 forb
 forcing factor

- fore-arc
 forebulge
 forecasting
 foreland basin
 forensic science
 foreshock
 foreshortening
 forest clearance
 forest decline
 forest fallow
 forest management
 formation (stratigraphical)
 fossil
 fossil fuels
 fossil fuels: in climatic change
 fossil Lagerstätten
 fossil record
 fossil soil
 founder effect
 Fourier analysis
 fracking
 fractal analysis
 fractal dimension
 fracture
 fracture zone
 fragipan
 fragmentation
 freeze coring
 freeze-thaw cycles
 freezing front
 freezing index
 frequency
 friction cracks
 fringing reefs
 front
 frost boil
 frost crack
 frost heave
 frost mounds
 frost sorting
 frost weathering
 fruits and seeds
 fuelwood
 Fujita-Pearson scale
 fulgurite
 fulvic acids
 fumarole
 functional factorial approach
 functional type
 fungal hyphae analysis
 fungi
 future climate
 futures studies
 fuzzy logic
- Ga
 gabion
 Gaia hypothesis
 gallery forest
 game management
 gamma correction
 gamma ray attenuation
 porosity evaluator (GRAPE)
 gap analysis
 garden
 gas hydrates
 Gauss-Gilbert geomagnetic boundary
 Gaussian filter
 Gaussian model
 Gauss-Matuyama geomagnetic boundary
 gelifluction
 gelifraction/gelivation
 gene
 gene pool
 genecology
 general circulation models (GCMs)
 general circulation of the atmosphere
 general system(s) theory (GST)
 generalised additive models (GAM)
 generalised linear models (GLM)
 genetic algorithms
 genetic drift
 genetic engineering
 genetic fitness
 genetic pollution
 genetically modified (GM) foods
 genetically modified organism (GMO)
 genetics
 genome
 genotype
 gentrification
 geo-archaeology
 geobotany
 geochemical proxies
 geochemistry
 geochronology
 geocryology
 geodesy
 geodiversity
 geodynamics
 geo-ecology
 geo-ecosphere
 geo-ecosystem
 geo-edaphics
- geo-engineering
 geofact
 geoglyph
 geographical information system (GIS)
 geographical sciences
 geography
 geohazard
 geoheritage
 geoid
 geoidal eustasy
 geo-indicator
 geological conservation (geoconservation)
 geological controls on environmental change
 geological evidence of environmental change
 geological record
 geological record of environmental change
 geological structures
 geological time
 geological timescale
 geology
 geomagnetic polarity reversal
 geomagnetic polarity timescale (GPTS)
 geomagnetism
 geomatics
 geomedicine
 geometric transformation
 geomorphology
 geomorphology and environmental change
 geomorphometry
 geophysical surveying
 geophysics
 geophyte
 georeferencing
 geoscience
 geosol
 geosphere
 geostrophic current
 geostrophic wind
 geosyncline
 geothermal
 geotourism
 Gerlach trough
 Ghijben-Herzberg principle
 gibber
 gibbsite
 gigantism
 Gilbert-type delta
 gilgai

- glacial
glacial deposition
glacial episode
glacial erosion
glacial lake
glacial landforms
glacial maximum
glacial protection concept
glacial sediments
Glacial Theory
glacial-interglacial cycle
glaciation
glaciation threshold
glaciel
glacier
glacier foreland
glacier milk
glacier modelling
glacier surge
glacier thermal regime
glacier variations
glaciation
glaciers and environmental change
glacio-aeolian processes
glaciochemistry
glacio-eustasy
glaciofluvial
glaciofluvial landforms
glaciofluvial sediments
glacio-isostasy
glacio-isostatic rebound
glaciolacustrine deposits
glaciological volcanic index (GVI)
glaciology
glaciomarine deposits
glaciomarine hypothesis
glacioseismotectonics
glaciotectonics
glacis
gleying
Gleysols
global capitalism
global change
global cooling
global dimming
Global Earth Observation System
of Systems (GEOSS)
global environmental change
global mean surface air
temperature
global navigation satellite system
(GNSS)
global positioning system (GPS)
global warming
global warming impacts
- globalisation
glow curve
Gondwana
gorge
graben
grade (of particles)
grade concept
graded bedding
gradient analysis
gradualism
grain
grain size
graminoid
granular disintegration
granule
graphic log
graphical user interface (GUI)
grass cuticle analysis
grasses and grasslands
graticule
gravel
gravel-bed river
gravity anomaly
grazing
grazing history
grazing: impacts on ecosystems
(the) Great Acceleration
(the) Great Migration
green belts
green economy
green lists
green manure
green politics
Green Revolution
greenhouse condition
greenhouse effect
greenhouse gases
greenhouse-gas forcing
greening of society
Greenland Ice-Core
Chronology
greenstone belt
greigite
Grentzhorizont
grey-scale analysis
greywacke
grèzes litées
grid
grid cell
grit
gross primary productivity (GPP)
ground ice
ground measurement
ground temperature
ground-based remote sensing
- grounding line
grounding-zone wedge
ground-penetrating radar (GPR)
groundwater
groundwater depletion
groundwater mining
groundwater pollution
groundwater recharge
group
growing season
growth form
groyne
Grundhoecker
gruss/grussification
Gulf Stream
gull
gully
gully control dam
guyot
gymnosperms
gypcrete
Gypsisols
gypsum
gyre
gyttja
- habitat
habitat degradation
habitat island
habitat loss
hadal
Hadean (*Priscoan*)
Hadley cell
haematite
Hale cycle
half-life
halocline
halogenated hydrocarbons
(halocarbons)
halophyte
haloturbation
hanging valley
Haralick texture measures
hard engineering
hardpan
hard-water effect/error
harrowing
harvest records
harvesting
hazard
hazardous substances
hazardous waste
head
headcut erosion
headward erosion

- heat balance/budget
 heat island
 heathland
 heavy metals
 heavy mineral analysis
 heavy oil
 hedgerow removal
 Heinrich events
 hemlock decline
 hepatitis
 herb
 herbivore
 heredity
 heritage
 herpetology
 herringbone cross-bedding
 heterotrophic organism
 heterozygosity
 heuristic algorithm
 hexapod
 hiatus
 hibernation
 hidden surface removal
 hierarchy theory
 hieroglyph
 High Arctic
 high nature value farmland
 high-activity clays
 high-precision dating
 high-resolution reconstructions
 highstand
 Himalayan uplift
 histogram
 historical archaeology
 historical climatology
 historical ecology
 historical evidence
 historical geography
 history
 Histosols
 holism
 holistic approach
 Holocene
 Holocene climatic mode
 Holocene domain
 Holocene environmental
 change
 Holocene thermal optimum
 Holocene timescale
 holocoenotic environment
 holokarst
 holomictic lake
 homeorhesis
 homeostasis
 hominid
 hominin
 hominisation
 homogeneous series
 homoiothermic organism
 horizon scanning
 horst
 horticulture
 Hortonian overland flow
 hotspot, in biodiversity
 hotspot, in geology
 hotspot, in remote sensing
 Hoxnian Interglacial
 hum
 human dimensions of
 environmental change
 human ecology
 human environment
 human evolution
 human evolution: climatic
 influences
 human geography
 human health hazards
 human impact on climate
 human impact on coasts
 human impact on environment
 human impact on hydrology
 human impact on landforms and
 geomorphic processes
 human impact on soil
 human impact on terrestrial
 vegetation
 human impact on vegetation
 history
 human migration
 human migration: 'out of Africa'
 humanism
 humanities
 Humboldtian science
 humic acids
 humic substances
 humid tropics: ecosystem
 responses to environmental
 change
 humidity
 humification
 humin
 hummocky cross-
 stratification (HCS)
 hummocky moraine
 humus
 hunger
 hunting, fishing and gathering
 hybridisation
 hydration
 hydraulic conductivity
 hydraulic geometry
 hydric soils
 hydrocarbons
 hydrochlorofluorocarbons
 (HCFCs)
 hydroclimatology
 hydrocompaction
 hydrogen isotopes
 hydrogeology
 hydrograph
 hydro-isostasy
 hydrological balance/budget
 hydrological cycle
 hydrology
 hydrolysis
 hydrometeor
 hydromorphic soils
 hydrophobicity
 hydrophyte
 hydropower
 hydrosphere
 hydrostatic pressure
 hydrothermal
 hydrothermal vent
 hydrovolcanic eruption
 hygrophyte
 hygroscopicity
 hyperconcentrated flow
 hyperthermals
 hypothesis
 hypsometry
 hysteresis
 ice
 ice ages
 ice cores
 ice dome
 ice foot
 ice scars
 ice sheet
 ice shelf
 ice stream
 ice wedge
 Iceberg Drift Theory
 iceberg plough marks
 icebergs
 ice-contact fan/ramp
 ice-contact slope
 ice-core dating
 ice-cored moraine
 ice-dammed lake
 ice-directional indicators
 ice-flood history
 icehouse condition
 Iceman

- ice-margin indicators
ice-melt layer
ice-rafted debris (IRD)
ice-sheet dynamics
ice-sheet growth
ichnofacies
icing
idealism
identification (ID)
idiographic science
igneous rocks
ignimbrite
illite
illuviation
image classification
image enhancement
image interpretation
image processing
image texture
imbrication
impactite
impacts of environmental change
imperialism
impermeable
impervious
impoundment
impulse response
inbreeding depression
incised meanders
inclination (I)
incremental dating methods
indeterminacy
index fossil
Indian Ocean Dipole (IOD)
indicator species
indigenous peoples
individualistic concept
indoor environmental change
induction
inductively coupled plasma
 atomic emission spectrometry
 (ICP-AES)
inductively coupled plasma mass
 spectrometry (ICP-MS)
induration
industrial archaeology
industrial ecology
Industrial Revolution
industrial waste
industrialisation
industry
infant mortality rate
infauna
inferential statistic
infiltration
infiltration capacity
influenza
infochemical
Information Age (IA)
information technology (IT)
infrared-stimulated luminescence
 (IRSL) dating
inheritance, in evolutionary
 context
inheritance, in landscape context
inhibition model
inlier
inorganic matter
insect analysis
inselberg
in-situ conservation
insolation
insolation weathering
instantaneous field of
 view (IFOV)
instrument calibration
instrumental data
instrumental record
interaction indicator
Interactive Graphics Retrieval
 System (INGRES)
interception
interdisciplinary research
interferometry
intergenerational equity
interglacial
interglacial cycle
Intergovernmental Panel on
 Climate Change (IPCC)
interhemispheric see-saw
intermediate disturbance
 hypothesis
intermediate technology
intermediate water
intermediate-complexity modelling
International Tree-Ring Database
 (ITRDB)
internationalisation of research
interpluvial
interpolation
interrill erosion
interstadial
intertropical convergence
 zone (ITCZ)
intraplate earthquake
intrazonal soil
introduction
intrusion
invasive species
inversion
inverted relief
invisible drought
involutions
ion
iron (Fe)
Iron Age
iron cycle
irradiance
irrigation
island arc
island biogeography
isochron technique
isochrone
isolated system
isolation
isolation basin
isomer
isomorphic substitution
isopach
isopleth
isostasy
isostatic decantation
isothermal remanent
 magnetisation (IRM)
isothermal remanent
 magnetism (IRM)
isotope
isotope dendrochronology
isotope ratio
isotopes as indicators of
 environmental change
isotopic depletion
isotopic enrichment
isotopic fractionation
isotopologues

Jaramillo polarity event
jet streams
jetty
join operation
joint
jökulhlaup
jump dispersal
Junge layer
Jurassic
juvenile water

ka
Kalman filter
kame
kame terrace
Kampfzone
kaolinite
karoo
karren

- karst
 Kastanozems
 K-cycles
 kettle hole
 keystone species
 kinetic temperature
 Kirchoff radiation law
k-means clustering
 knickpoint
 knock and lochan topography
 knowledge
 knowledge-based systems
 komatiite
 koniology
 kriging
 Krummholz
K-selection
 K-T boundary
 kurtosis
- La Niña
 label
 labile pool
 laboratory science
 lacustrine sediments
 lag deposit
 lag time
 lagoon
 lahar
 lake
 lake stratification and zonation
 lake terrace
 lake-chemistry reconstructions
 lake-level variations
 lakes as indicators of
 environmental change
 Lamarckism
 laminar flow
 laminated lake sediments
 laminated marine sediments
 lamination
 land
 land bridge
 land cover
 land degradation
 land drainage
 land evaluation
 land reclamation
 land restoration
 land subsidence
 (the) land system
 land transformation
 land uplift
 land-change science
 landfill
- landform
 landnám
 landscape
 landscape archaeology
 landscape architecture
 landscape ecology
 landscape evaluation
 landscape evolution
 landscape geochemistry
 landscape management
 landscape mosaic
 landscape science
 landscape sensitivity
 landscape units
 landslide
 landslide dam
 landslide frequency
 landslide hazard
 landsystem
 landuse
 landuse capability classification
 landuse change
 landuse impacts on hydrology
 landuse impacts on soils
 landuse planning and management
 lapilli
 lapse rate
 large igneous province (LIP)
 laser
 laser-induced
 fluorescence (LIF)
 Last Glacial Maximum (LGM)
 Last Glaciation
 Last Interglacial
 Late Glacial environmental change
 late-Holocene climatic
 deterioration
 latent heat
 lateral accretion
 laterite
 Laurentian/Laurentide Ice Sheet
 lava
 lava dome
 lava flow
 lava plateau
 lava tube
 law
 leachate
 leaching
 lead (Pb)
 lead and lag
 lead isotopes
 lead-210 dating
 leaf area index (LAI)
 leaf physiognomy
- least squares regression
 Leptosols
 lessivage
 levée
 Libby half-life
 lichenometric dating
 LiDAR
 life assemblage
 life expectancy
 life form
 life zone
 life-cycle assessment (LCA)
 light rings
 lignin phenols
 liman
 limestone
 liming
 limiting factors
 limnic eruption
 limnogeology
 limnology
 line reduction
 lineage
 linear interpolation
 linear-mixture modelling
 lineation
 linguistic dating
 lipids
 liquefaction
 liquid limit
 liquidisation
 lithalsa
 lithic
 lithification
 lithofacies
 lithology
 lithosphere
 lithostratigraphy
 litter
 Little Ice Age
 littoral zone
 living fossil
 Lixisols
 loading
 local climate
 local glaciation
 local operator
 Loch Lomond Stadial
 lodgement till
 loess
 LOESS regression
 loess stratigraphy
 log
 logging
 logical positivism

- long waves
 longitudinal dune
 longshore drift
 look-up table
 loss on ignition (LOI)
 Low Arctic
 low-activity clays
 lowstand
 luminescence dating
 lunar cycles
 Lusitanian floral element
 Luvisols
 lynchet
 lysimeter
 lysocline

 Ma
 maar
 machair
 macroclimate
 macro-ecology
 macro-evolution
 macrofossil
 macronutrients
 Madden-Julian oscillation (MJO)
 made ground
 magma
 magnesium:calcium
 ratio (Mg:Ca)
 magnetic anomaly
 magnetic excursion
 magnetic field
 magnetic grain size
 magnetic hysteresis
 magnetic induction
 magnetic intensity
 magnetic moment
 magnetic remanence
 magnetic secular variation
 magnetic susceptibility
 magnetisation
 magnetite
 magnetometer
 magnetostratigraphy
 magnetozone
 magnitude-frequency concepts
 makatea island
 malacophyllous
 malaria
 Malthusian
 mammoth
 managed realignment
 management
 mangrove
 mangrove succession

 mangrove swamps: human
 impacts
 mangrove swamps: impact of
 tropical cyclones
 mangrove swamps: impact of
 tsunamis
 mantle
 mantle plume
 manufacturing industry
 map
 map generalisation
 map projection
 marching desert concept
 marginal areas
 marginal basins
 mariculture
 marine band
 marine cloud whitening (MCW)
 marine conservation
 marine geology
 marine isotopic stage (MIS)
 marine palaeoclimatic
 proxies
 marine pollution
 marine sediment cores
 marine sediment cores: results
 marine sediments
 marine-based ice sheet
 marker horizon
 Markov process
 marl
 marsh
 mass balance
 mass extinctions
 mass movement processes
 mass spectrometer
 mass wasting
 Massenerhebung effect
 massive
 master chronology
 material culture
 materials detoxification
 materials substitution
 matrix maturity
 Maunder minimum
 meadow
 mean annual air
 temperature (MAAT)
 mean lethal dose (L50)
 mean monthly temperature
 mean sea level
 meander cut-off
 meanders
 measurement
 mechanical denudation

 mechanical soil conservation
 measures
 Mediaeval Warm Period
 medical science
 Mediterranean environmental
 change and human impact
 Mediterranean landscape evolution
 Mediterranean-type climate
 Mediterranean-type vegetation
 megadrought
 megafan
 megafauna
 megafaunal extinction
 megaflood
 megafossil
 megalake
 megalith
 megaripple
 megathrust earthquake
 megaturbidite
 meltout till
 meltwater
 meltwater channel
 member
 mercury (Hg)
 meridional flow
 meridional overturning circulation
 (MOC)
 mérokarst
 meromictic lake
 mesa
 mesoclimate
 mesocosm
 mesocratic phase
 Mesolithic
 Mesozoic
 Messinian
 metadata
 metaknowledge
 metal pollution
 metals in environmental history
 metamorphic rocks
 metapedogenesis
 metaphysics
 metapopulation model
 meteor
 meteorite
 meteorite impact
 meteoroids
 meteorological satellites
 meteorology
 meteotsunami
 methane variations
 methanogenesis
 methodology

- microatoll
 microclimate
 microcosm
 microdendroclimatology
 micro-erosion meter
 microfossil
 microfossil analysis
 microhabitats
 microlith
 micromorphological analysis of
 sediments
 micromorphological analysis
 of soils
 micromorphological analysis
 of till
 micronutrients
 micropalaeontology
 microresidual fraction
 microscopy
 microseism
 microvertebrate accumulations
 microwave radiometer
 microwave remote
 sensing (MRS)
 midden
 Middle Ages
 mid-ocean ridge (MOR)
 migration
 Migration Age
 Milankovitch theory
 military impacts on environment
 mineral
 mineral cycling
 mineral magnetism
 mineral resources
 mineralisation
 minerogenic sediment
 minimum critical size of
 ecosystems
 minimum viable population
 mining and mining impacts
 Miocene
 mires
 misfit meander
 Mississippian
 mitigation
 model
 moder
 modern
 modern analogue
 modernism
 Mohs' scale
 molasse
 molecular stratigraphy
 molecule
- Mollusca analysis
 monochromatic
 monoculture
 monogenetic
 monolith sampling
 monsoon
 montane forest
 Monte Carlo methods
 monthly mean temperature
 montmorillonite
 moorland
 mor
 moraines
 morphoclimatic zones
 morphometry
 morphostratigraphy
 mosaicing
 motu
 mountain permafrost
 mountain regions: environmental
 change and human impact
 mud
 mud cracks
 mud drape
 mud volcano
 mudbelt/mudpatch
 mudlump
 mudrock
 mudslide
 mudstone
 mulching
 mull
 multicollinearity
 multiconvex landscape
 multidimensional scaling
 multidisciplinary
 multiple working
 hypotheses
 multiplicative model
 multiproxy approach
 multisol
 multitemporal analysis
 multivariate analysis
 multivariate regression
 trees (MRT)
 mummy
 museums
 muskeg
 mutagen
 mutation
 mutual climatic range (MCR)
 method
 mutualism
 mycorrhiza
- nadir point
 nanism
 nanofossils
 nanoscience
 nanosensors
 nanotechnology
 National Parks
 native
 natural
 natural archives
 natural areas concept
 natural capital
 natural capitalism
 natural change
 natural disaster
 natural environment
 natural environmental change
 natural environmental sciences
 natural experiment
 natural gamma radiation
 natural gas
 natural hazards
 natural networks
 natural remanent
 magnetism (NRM)
 natural resources
 natural resources management
 natural selection
 natural vegetation
 naturalisation
 naturalised species
 nature
 nature reserve
 NBS oxalic acid
 Neanderthal demise
 neap tide
 near-Earth object (NEO)
 nearest neighbour
 near-infrared reflectance
 spectroscopy (NIRS)
 nebkha
 needle ice
 negative feedback
 nekton/nektonic/nekctic
 nemoral forest
 neocatastrophism
 neocolonialism
 neo-Darwinism
 neoecology
 neo-evolutionism
 Neogene
 neoglaciation
 Neolithic
 Neolithic Transition
 Neoproterozoic

- neotectonics
 nepheloid layer
 net primary productivity (NPP)
 net radiation
 network analysis
 neural network
 neutron activation analysis (NAA)
 new forestry
 newly industrialising countries (NICs)
 niche
 Nile floods
 NIMBY (Not-In-My-Backyard)
 Nitisols
 nitrate (NO₃⁻)
 nitrogen cycle
 nitrogen dating
 nitrogen fixation
 nitrogen isotopes
 nitrogen oxides
 nitrogen/nitrate analysis
 nitrogen-profile dating
 nitrous oxide variations
 nival zone
 nivation
 niveo-aeolian deposits
 nodule
 noise
 noise pollution
 nomadism
 nomothetic science
 non-arboreal pollen (NAP)
 non-communicable disease (NCD)
 non-destructive sampling
 non-governmental organisation (NGO)
 non-linear behaviour/dynamics
 non-metric multidimensional scaling
 non-parametric statistics
 non-renewable resource
 noösphere
 normal distribution
 normal polarity
 normal science
 normalisation
 Norse Greenland Settlements
 North Atlantic Oscillation (NAO)
 notch
 nuclear accident
 nuclear energy
 nuclear war
 nuclear winter
 nuclide
 nudation
 nuée ardente
 number of looks
 numerical analysis
 numerical-age dating
 nunatak
 nunatak hypothesis
 nurse plant
 nutrient
 nutrient pool
 nutrient status
 oasis hypothesis
 object oriented
 objective knowledge
 objectivity
 obligate
 obliquity
 obrution
 observation
 observational data
 obsidian hydration dating
 occult deposition
 occupation layer/level
 ocean
 ocean acidification
 ocean basin
 ocean circulation
 ocean currents
 ocean fertilisation
 ocean freshening
 ocean palaeocirculation
 ocean palaeoproductivity
 ocean palaeotemperature
 ocean warming
 oceanic anoxic event
 oceanic crust
 oceanic forcing (of climate)
 Oceanic Polar Front (OPF)
 oceanic sediments
 oceanic trench
 oceanicity
 oceanography
 off-road vehicles
 oil fire
 oil shale
 oil spill
 Older Dryas Stadial
 old-growth forest
 Olduvai event
 Oligocene
 oligotrophication
 ombrotrophic mire
 ontogeny/ontogenesis
 ontology
 Oort minimum
 ooze
 open system
 optical emission spectroscopy (OES)
 optical remote-sensing instruments
 optically stimulated luminescence (OSL) dating
 optimisation
 oral history
 orbital forcing
 orbital tuning
 ordinate
 ordination
 Ordovician
 ore
 organic content
 organic farming
 organic sediment
 organochlorides
 organophosphates
 oribatid mites
 oriented thaw lake
 originality
 orogenesis
 orogenic belt (orogen)
 orogeny
 orographic
 orography
 osmosis
 osteology
 ostracod analysis
 otolith
 outbreak
 outgassing
 outlet glacier
 outlier
 outwash deposit
 outwelling
 overbank deposit
 overbank flow
 overcultivation
 overdeepening
 overfishing
 overflow channel
 overgrazing
 overhunting
 overkill hypothesis
 overland flow
 overlay analysis
 overpopulation
 overshoot
 overtopping/overwashing
 overturning
 oxidation

- oxygen
oxygen cycle
oxygen isotopes
oxygen variations
ozone
ozone depletion
- Pacific Decadal Oscillation (PDO)
Pacific-North American (PNA) teleconnection
pack ice
paddy soils
pahoehoe
palaeobiology
palaeobotany
palaeocean modelling
palaeoceanography
palaeoceanography: biological proxies
palaeoceanography: physical and chemical proxies
Palaeocene
palaeochannel
palaeoclimatic modelling
palaeoclimatology
palaeocommunity
palaeocurrent
palaeodata
palaeodiet
palaeodose
palaeodrought
palaeodunes
palaeoecology
palaeo-ENSO
palaeo-entomology
palaeoenvironment
palaeoenvironmental indicator
palaeoenvironmental reconstruction
palaeo-ethnobotany
palaeoflood
Palaeogene
palaeogeography
palaeoglaciology
palaeohydrology
palaeokarst
palaeolatitude
palaeolimnology
Palaeolithic
Palaeolithic: human-environment relations
palaeomagnetic dating
palaeomagnetism
- palaeontology
palaeoprecipitation proxies
palaeosalinity
palaeosciences
palaeoseismicity
palaeoslope
palaeosol
palaeotemperature proxies
palaeotempestology
palaeothermometry
palaeovalley
palaeovelocity
palaeowind
Palaeozoic
palimpsest
palinspastic map
palsa
paludification
palustrine
palynomorph
pan
panarchy
pandemic
Pangaea (Pangea)
parabiosphere
parabolic dune
paradigm
paraglacial
paraglaciation
paralic
paralithic contact
parallax
parallel lamination
parallel slope retreat
paramagnetism
parameteorology
parameter
parameterisation
parametric statistics
parasite
parent material
parietal art
parna
parsimony
partial correlation coefficient
particle-induced gamma-ray emission (PIGE or PIGME)
particulates
passive continental margin
passive microwave remote sensing
Pastoral Neolithic
pastoralism
pasture
patch dynamics
pathogens
- patterned ground
payload
peat and peatlands
peat erosion
peat humification
peat stratigraphy
pebble
ped
pedalfer
pedestal rock
pediment
pediplain/pediplanation
pedocal
pedogenesis
pedology
pedometrics
pedon
pedosphere
pedotransfer function (PTF)
pedoturbation
pelagic organism
pelagic sediment (pelagite)
penplain
penetrability
Pennsylvanian
percolation
perennial
periglacial
periglacial environments
periglacial landforms and processes
periglacial landscape evolution
periglacial sediments
periglacial trimline
periglaciation
periglaciofluvial system
perihelion
perimarine
period
periodicities
peri-urban
permafrost
permafrost degradation
permafrost table
permanent drought
permeable
Permian
Permo-Triassic
peroxyacetyl nitrate (PAN)
persistence
persistent organic compounds (POCs)
perturbation
pervection

- pervious
 pest
 pest control
 pest management
 pesticides
 petroglyph
 petrography
 petroleum
 petrology
 P-forms
 pH
 Phaeozems
 Phanerozoic
 phenology
 phenomenology
 phenotype
 phi (ϕ)
 -phile, -philous
 -phobe, -phobous
 phosphate (PO_4^{3-})
 phosphate analysis
 phosphorite
 phosphorus (P)
 phosphorus cycle
 photochemical oxidant
 photochemical smog
 photochemistry
 photo-electronic erosion
 pin (PEEP)
 photogrammetry
 photon
 photoperiod
 photosynthesis
 photosynthetically active radiation
 (PAR)
 phreatic zone
 phreatophyte
 phyletic gradualism
 phylogeography
 physical analysis of soils and
 sediments
 physical degradation
 physical geography
 physical oceanography
 physical weathering
 physiography
 phytogeography
 phytogeomorphology
 phyto-indication
 phytoliths
 phytometric dating
 phytoplankton
 phytosociology
 piedmont
 pigments: fossil
 pillow lava
 pilot survey
 pine decline
 pingo
 pinning point
 pioneers
 piosphere
 pipeflow
 piston sampler
 pixel
 placer deposit
 plagioclimax
 plague
 plane bed
 planet
 planetary boundaries
 planetary environmental change
 planetary geology
 planetary interest
 plankton/planktonic/planktic
 Planosols
 plant diseases
 plant geography
 plant macrofossil analysis
 plant pigment analysis
 plantation
 plastic limit
 plastics
 plate margin
 plate tectonics
 Pleistocene
 Pleniglacial
 plinthic horizon
 Plinthosols
 Pliocene
 Pliocene-Pleistocene transition
 plough layer
 plough pan/plow pan
 ploughing block
 ploughing/plowing
 plume
 pluridisciplinarity
 pluvial
 poaching
 podzolisation
 Podzols
 point
 pointer years
 polar amplification
 polar desert
 polar front
 polar shore erosion
 polarimetry
 polarisation
 polarity chron
 poliomyelitis
 political ecology
 polje
 pollen accumulation rate
 pollen analysis
 pollen assemblage zone (PAZ)
 pollen concentration
 pollen rain
 pollen sum
 pollutant
 polluter-pays principle (PPP)
 pollution
 pollution adaptation
 pollution history
 polychlorinated
 biphenyls (PCBs)
 polygenetic
 polygon analysis
 polymorphism
 Polynesian colonisation
 polyploidy
 population
 population cycles
 population dynamics
 population ecology
 population explosion
 population growth
 population pyramid
 population viability
 analysis (PVA)
 pore ice
 pore water pressure
 porous
 positivism
 possibilism
 postcolonialism
 postenvironmentalism
 posthole
 postindustrialisation
 postmediaeval archaeology
 postmodernism
 postnormal science
 post-structuralism
 potable water
 potassium (K)
 potassium-argon (K-Ar) dating
 potential
 evapotranspiration (PET)
 potential natural vegetation
 potentiation
 potentiometric surface
 potholes
 Preboreal
 Preboreal Oscillation (PBO)
 Precambrian

- precautionary principle
 precession
 precipitation
 precipitation variations
 precision
 predation
 predator-prey relationships
 prediction
 prehistoric
 prescribed fire
 presentism
 pressure group
 pressure melting point
 pressure release
 pretreatment
 prevailing wind
 primary forest
 primary mineral
 primary pollutant
 primary productivity
 primary succession
 primary woodland
 principal components
 analysis (PCA)
 principal components transform
 principal co-ordinates analysis
 prion
 probability
 probability distribution
 prod mark
 production
 productivity
 proglacial lake
 progradation
 progressive desiccation
 projection
 projective approach
 pronival rampart
 protected area approach
 protected areas
 Proterozoic
 Protista
 protohistory
 protohominid
 proton-induced X-ray
 emission (PIXE)
 provenance
 provenience
 proximate cause
 proximity principle
 proxy climatic indicator
 proxy data/proxy evidence/proxy
 indicators/proxy records
 pseudokarst
 pseudomorph
- pseudo-proxy approach
 puddling
 pugging
 pull-apart basin
 pumice
 punctuated equilibria
 pyroclastic fall
 pyroclastic flow
 pyroclastic material
 pyroclastic surge
 pyrolysis
 pyrotechnology
- qanat
 qoz
 quad tree
 quality-of-life (QOL) indices
 quarrying
 quartz
 quartz grain surface textures
 quartzite
 Quasi-Biennial
 Oscillation (QBO)
 quasi-periodic phenomena
 Quaternary
 Quaternary environmental change
 Quaternary science
 Quaternary timescale
 query language
 quick clay
 quickflow
 quicksand
 quota
- R software
 radar
 radar remote-sensing instruments
 radiance
 radiant temperature
 radiation
 radiation balance
 radiative transfer theory
 radioactive fallout
 radioactive waste
 radioactivity
 radiocarbon dating
 radiolaria
 radioluminescence dating
 radiometer
 radiometric dating
 radionuclide
 radiosonde
 radon emanation
 rain flushing
 rain forest
- rain shadow
 raindrop impact
 rainfall simulator
 raised mire/bog
 raised shorelines
 rampa
 random
 range
 range adjustment
 range management
 rangeland
 Ranker
 rapid environmental change
 rapid-onset hazards
 rare species
 rarefaction analysis
 raster
 rates of environmental change
 rationalism
 reaction time
 reactivation surface
 re-aeration
 realism
 reconnaissance survey
 recreation
 recurrence surface
 recycling
 red beds
 Red Data books
 redeposition
 reduction
 reductionism
 redundancy analysis
 reef
 reference area
 reference standard
 reflectance
 reforestation
 refuge theory in temperate regions
 refuge theory in the tropics
 refugium
 regelation
 regeneration
 regeneration complex
 regional climatic change
 regional climatic models (RCMs)
 regionalism
 Regionally Important Geological
 and Geomorphological
 Sites (RIGS)
 regolith
 Regosols
 regression, marine
 regression analysis
 rehabilitation

- rejuvenation
 relational database
 relative age
 relative density
 relative sea level
 relative-age dating
 relaxation
 relaxation time
 relict
 relief
 religious beliefs
 remediation
 remote sensing
 Renaissance
 Rendzina
 renewable energy
 renewable resources
 repeat photography
 replication
 reproducibility
 rescue archaeology
 research
 research design
 reserves
 reservoir effect
 reservoirs: environmental effects
 residence time
 residual
 residual deposit/landform
 residual strength
 residue
 resilience
 resilience framework
 resistance
 resolution, in palaeoenvironmental reconstruction
 resolution, in remote sensing
 resonance ionisation spectroscopy (RIS)
 resource
 respiration
 response function
 response time
 restoration
 resurgence
 retrodiction
 retrogressive succession
 return period
 reverse weathering
 revetment
 rheology
 rheotrophic mire
 rhexistasy
 rhizcretion
 rhizopod analysis
 rhizosphere
 rhythmite
 ria
 rickets
 ridge and furrow
 rift valley
 rill
 rip current
 riparian
 ripple
 riprap
 risk
 risk assessment
 risk management
 river basin management
 river capture
 river discharge variations
 river diversion
 river lake
 river regime
 river restoration
 river terrace
 roche moutonnée
 rock creep
 rock cycle
 rock flour
 rock glacier
 rock mass strength
 rock platform
 rock stream
 rock varnish
 RockEval
 rockfall
 rockshelter
 rock-varnish microlamination (VML) dating
 rodent midden
 Rodinia
 rogation index
 Rogen moraines
 Roman Period
 roundness
r-selection
 rubification (rubefaction)
 rudaceous
 ruderal
 rudite
 ruminant
 runoff
 runoff coefficient
 runoff processes
 runout distance
 rural decline
 rural development
R-value, in pollen calibration
 Saalian
 sabkha
 Sackung
 safe operating space
 Saffir-Simpson scale
 Saharan dust
 Sahel
 salcrete
 saline lakes
 saline water
 salinisation
 salinity
 salt
 salt caves
 salt dome
 salt weathering
 saltation
 saltmarsh
 saltwater intrusion
 sample
 sampling
 sand
 sand bypassing
 sand dune encroachment
 sand dune reactivation
 sand dunes
 sand ramp
 sand sea
 sand sheet
 sand volcano
 sand-bed river
 sandrock
 sandstone
 sandur
 sandwave
 sapping
 saprolite
 sapropel
 saprophyte
 sarsen
 satellite climatology
 satellite orbits
 satellite remote sensing
 saturation deficit
 saturation isothermal remanent magnetisation (SIRM)
 saturation overland flow
 savanna
 savannisation
 scale
 scale concepts: the palaeoecological context
 scale concepts in environmental change
 scalping

- scanning electron
 microscopy (SEM)
 scarification
 scattering
 Schmidt hammer
 Schmidt-hammer exposure-age
 dating (SHD)
 scholarship
 science
 sciences
 scientific archaeology
 scientific method
 Scientific Revolution
 sclerochronology
 sclerophyllous
 scoria
 scour marks
 scrub
 scurvy
 sea
 sea ice
 sea wall
 sea-floor spreading
 sea-ice variations
 sea-level change
 sea-level change: past effects on
 coasts
 sea-level change: past effects on
 ecosystems
 sea-level indicators
 sea-level rise
 sea-level rise: potential future
 ecological impacts
 sea-level rise: potential future
 geomorphological impacts
 sea-level rise: potential future
 impacts on people
 seamount
 seasonal drought
 seasonality
 seasonality indicator
 seasonally frozen ground
 sea-surface temperature (SST)
 seawater composition
 secondary ion mass spectrometry
 (SIMS)
 secondary laterite
 secondary mineral
 secondary pollutant
 secondary productivity
 secondary succession
 secondary woodland
 secular variation
 sedentary organism
 sedentism
 sediment
 sediment budget
 sediment coupling
 sediment delivery ratio
 sediment drifts
 sediment fingerprinting
 sediment flux
 sediment focusing
 sediment gravity flow
 sediment influx
 sediment load
 sediment routing
 sediment sources
 sediment storage
 sediment transport
 sediment trap
 sediment types
 sediment yield
 sedimentary basin
 sedimentary deposit
 sedimentary rocks
 sedimentary structures
 sedimentation
 sedimentological evidence of
 environmental change
 sedimentology
 seed bank/depository
 seep
 segregated ice/segregation ice
 seiche
 seismic
 seismic belt
 seismic gap
 seismic reflection surveying
 seismic refraction surveying
 seismic stratigraphy
 seismic surveying
 seismic waves
 seismicity
 seismology
 seismometer
 selection pressure
 selective breeding
 selective cutting
 self-organisation
 self-regulation
 semi-arid
 semi-natural vegetation
 sensitive clays
 sensitivity
 sensitivity experiments
 sequence stratigraphy
 seral community
 sere
 seriation
 series
 service industries
 set-aside scheme
 sewage history
 shale
 shale gas
 shape
 shape box
 shard
 shear strength
 sheet erosion
 shell midden
 shell pavement
 shifting cultivation
 shingle beach
 ship log book records
 shore displacement
 shore zone
 shoreline
 shrinkage methods
 shrub
 shrubland
 SI units
 sidereal date
 side-scan sonar
 sieve deposition
 signal strength
 signal-to-noise ratio (SNR)
 significance level
 silcrete
 silica
 silicate minerals
 silicon (Si)
 silicon cycle
 silt
 siltation
 siltstone
 Silurian
 silviculture
 simulation model
 single large or several small
 reserves (SLOSS debate)
 singularity
 sink
 site formation processes
 site-catchment analysis
 Sites of Special Scientific Interest
 (SSSIs)
 skewness
 slant range
 slope decline
 slope evolution models
 slope replacement
 slope stability
 slope zonation models

- slopewash
sludge
slump
slush flow
small-island states (SIS)
smallpox
smectite
smog
snow and snow cover
snow avalanche
snow line
snow-avalanche deposits
snow-avalanche impact landforms
snowball Earth
snowbed/snowbank/snowpatch
snowmelt
snowpack
social construction
social impact assessment (SIA)
social sciences
societal benefit areas (SBAs)
socio-ecological/environmental models
socio-environmental dynamics
sodium chloride
soft engineering
soft-sediment deformation
soil
soil age
soil biota
soil classification
soil conservation
soil creep
soil dating
soil degradation
soil development
soil drainage
soil emissions
soil erosion
soil erosion history
soil exhaustion
soil geography
soil horizon
soil loss
soil loss tolerance
soil microprofiling device
soil mining
soil moisture
soil moisture deficit (SMD)
soil pollution
soil profile
soil quality
soil radioactivity
soil reclamation
soil regeneration
soil resilience
soil series
soil stratigraphy
soil structure
Soil Taxonomy
soil texture
soil vulnerability
soil water content
soil water retention
soil-forming factors
soil-forming processes
soilmarks
solar constant
solar cycle
solar energy
solar flare
solar forcing
solar radiation
solar radiation management (SRM)
solar wind
sole marks
solifluction
solifluction terrace
solodisation
Solonchak
Solonetz
solstice
solubility
solum
solute
sorption
sorting
Southern Oscillation (SO)
space agencies
space-based sunshade
spaghetti data
spatial analysis
spatial coherence
spatial filtering
spatial variation
speciation
species concept
species richness
species translocation
species-area relationship
specific heat
speckle
spectral analysis
Spectral Mapping Project timescale (SPECMAP)
spectrophotometer
specular reflection
speleology
speleothems
Sphagnum
sphericity
spheroid
spheroidal carbonaceous particles (SCP)
spheroidal weathering
spit
splash pedestal
spline function
Spörer minimum
spores
spread, vectors of
spring
spring tide
stability concepts: ecological contexts
stable isotope
stable isotope analysis
stadial
stage
Stagnosols
stand
standard method
standard substance
standardisation
standing crop
stasis
statistical analysis
statistical uncertainty
statistical-learning methods
stemflow
stenotopic organism
steppe
stepped-combustion radiocarbon dating
stereoscopic vision
sterilisation
stewardship concept
stillstand
stochasticity
stomach content
stomata
stomatal analysis
stomatal conductance
Stone Age
stone line
storm beach
storm hydrograph
storm surge
storminess
storms
strandflat
strandline
strange attractor

- strategic environmental assessment (SEA)
 strath terrace
 stratification
 stratigraphical column
 stratigraphical record
 stratigraphy
 stratosphere
 stratospheric aerosol injection (SAI)
 streamflow
 striation
 strike
 strip cropping
 strip lynchet
 stripping phase
 stromatolite
 strontium (Sr) isotope ratio
 strontium isotopes
 strontium/calcium palaeothermometry
 structural adjustment
 structuralism
 structuration theory
 structuring
 sturzström
 subarctic
 Subatlantic
 Subboreal
 subclimax
 subcutaneous flow
 subduction
 subfossil
 subglacial
 subglacial basin
 subglacial lake
 sublimation
 submarine canyon
 submarine fan
 submarine landslide
 submergent coast
 sub-Milankovitch
 subsidence
 subsistence agriculture
 subsurface temperature
 subtropical environments
 succession
 Suess effect
 suffosion
 sulfation
 sulfidic soils
 sulfur cycle
 sulfur dioxide
 sulfur isotopes
 sunspot cycles
- super bounding surface
 super eruption
 supercontinent
 supercooling
 superficial deposits
 supergroup
 superimposed drainage
 superimposed ice
 supersaturation
 support vector machine (SVM)
 supraglacial
 surface displacement
 surface pollen
 surface roughness
 surface sediment sampler
 surface tension
 surface water
 surface-age dating
 surveying
 suspended load
 suspended-load river
 sustainability
 sustainability science
 sustainability transition
 sustainable agriculture
 sustainable consumption
 sustainable development
 sustainable fisheries
 sustainable forestry
 sustainable production
 sustainable yield
 suture
 swamp
 swath
 symbiosis
 synchronisation
 synchronous
 synergism
 synfuel
 syngenetic
 synoptic catalogues
 synoptic climatology
 synthesis indicator
 synthetic biology
 system
 system (stratigraphical)
 systems analysis
- tabula rasa
 taele gravels
 tafoni
 tailings
 talik
 talus
 taphonomy
- tar sands
 taxon cycle
 taxonomy
 technocentrism
 technological change
 technological paradox
 Technosols
 tectonic uplift–climatic change interaction
 tectonics
 teeth
 tektite
 teleconnection
 teleology
 tell
 temperate climates
 temperate forests
 temperate glacier
 temperate grasslands
 temperature
 temporal change detection
 ten- to twelve-year oscillation (TTO)
 tensiometer
 tephra
 tephra analysis
 tephrochronology
 tephrochronometry
 tephrology
 tephrostratigraphy
 teratology
 termination
 termites
 terra fusca
 terra preta
 terra rossa
 terracette
 terracing
 terrain
 terrane
 terrestrial environment
 terrestrial radiation
 terrestrialisation
 terricolous
 terrigenous
 terrorism
 Tertiary
 testate amoebae
 Tethys
 tetrapod
 texture (in sediments and rocks)
 theory
 thermal analysis
 thermal capacity
 thermal contraction cracking

- thermal erosion
 thermal expansion of the oceans
 thermal pollution
 thermal remote sensing
 thermal-ionisation mass spectrometry (TIMS)
 thermochronometry
 thermocline
 thermohaline circulation
 thermokarst
 thermoluminescence (TL) dating
 thermophilous
 thermoremanent magnetisation (TRM)
 thin-section analysis
 thixotropy
 threatened species
 Three-Age System
 threshold
 throughflow
 thrust fault
 thúfur
 tidal bore
 tidal bundles
 tidal energy
 tidal rhythmite
 tidalite
 tide gauge records
 tides
 tidewater glacier
 tiering
 till
 tillage
 tillite
 tilth
 time transgressive
 time-series analysis
 tin (Sn)
 tipline
 tipping point
 tolerance
 tolerance model
 tombolo
 tomography
 tool marks
 topoclimate
 topography
 toponymy
 tor
 tornado
 tourism
 towed vehicles
 tower karst
 toxicant
 toxin
 trace element
 trace fossil
 trace gas
 tracer
 tracers: in the oceans
 tracheidogram
 trackway
 trade
 Trade Winds
 tradeable emissions permits
 tradition
 trafficability
 tragedy of the commons
 training area
 training set
 trampling
 transfer function
 transform fault
 transgenic organism
 transgression, marine
 transhumance
 transhumanity
 transient response
 translent strata
 transport impacts
 transport policy
 transport-limited erosion
 trap
 tree line/limit
 tree migration/spreading
 tree of life
 tree ring
 tree-line variations
 tree-ring index
 trend
 triangular irregular network (TIN)
 triangulation system
 Triassic
 tributary
 trimline
 tritium-helium dating
 trophic cascade
 trophic level
 trophic-dynamic approach
 tropical and subtropical forests
 Tropical Atlantic Variability (TAV)
 tropical cyclone
 tropical cyclones: impact on ecosystems
 tropical cyclones: impact on geomorphology
 tropical cyclones: impact on people
 tropical cyclones: mitigation and adaptation
 tropical cyclones: prediction
 tropical forest fires
 tropical grassland
 tropical karst
 tropical peatlands
 tropical rain forest
 tropical seasonal forest
 tropical/tropical climate
 tropopause/troposphere
 truncated soil
 truth
 tsetse fly
 tsunami
 tuberculosis (TB)
 tufa
 tuff
 tumulus
 tundra
 tundra vegetation: human impact
 tunnel valley
 turbidite
 turbidity
 turbidity current
 turbulent flow
 turnover rate
 two-way indicator species analysis (TWINSPAN)
 typological sequencing
 ultimate causes
 ultrafiltration
 umbrella species
 Umbrisols
 uncertainty
 uncertainty principle
 unconformity
 unconventional petroleum
 underfit stream
 uniclinal shifting
 uniformitarianism
 universality
 unloading
 unnatural
 upfreezing of clasts
 uplands
 uplift
 upscaling
 upwelling
 upwelling radiolarian index (URI)
 uranium-series dating

- uranium-thorium dating
 urban agriculture
 urban and rural planning
 urban climate
 urban ecology
 urban environmental change
 urban origins
 urban sustainability
 urbanisation
 urbanisation impacts on hydrology
 Urstromtäler
 U-shaped valley

 vadose zone
 validation
 valley bulging
 valley-fill deposits
 Van't Hoff's rule
 variable
 variance
 variance partitioning
 variogram
 varve
 varve chronology
 vector
 vector data model
 vegetation
 vegetation canopy
 vegetation formation
 vegetation formation type
 vegetation history
 vegetation indices
 ventifact
 ventilation
 verification
 vermiculite
 vertebrates
 vertical farming
 Vertisols
 vesicle
 vicariance
 vicious circle principle (VCP)
 Viking Age
 vine harvests
 virtual water
 virus
 vitrinite reflectance
 volatiles
 volatilisation
 volcanic aerosols
 volcanic ash
 volcanic block
 volcanic bomb
 volcanic eruption
 volcanic explosivity index (VEI)

 volcanic forcing
 volcanic gases
 volcanic glass
 volcanic impacts on climate
 volcanic impacts on people
 volcanic impacts on vegetation
 volcanic plume
 volcanicity
 volcanoclastic
 volcanism
 volcano
 volcanology
 volume scattering
 vortex
 vorticity
 V-shaped valley
 vulnerability
 vulnerability science
 vulnerable species

 wacke
 wadi
 Walker circulation
 Wallace's Line
 Walther's law
 war and environmental
 change
 washload
 waste
 waste management
 waste mining
 waste recycling
 wasteland
 water balance/budget
 water erosion
 water footprint
 water harvesting
 water mass
 water pollution
 water quality
 water repellency
 water resources
 water security
 water spreading
 water table
 water vapour
 water-based disease
 waterborne diseases
 waterfall
 water-related vector
 watershed
 water-use efficiency (WUE)
 wave base
 wave energy
 wave refraction

 wave ripple
 weather
 weather diaries
 weather types
 weathering
 weathering front
 weathering indices
 weathering limits
 weathering profile
 weathering rates
 weathering rind
 weed
 welded tuff
 well
 Westerlies
 wet deposition
 wetland
 wetland classification
 wetland conservation and
 management
 wetland loss
 wetting front
 whaling and sealing
 width-depth ratio
 wiggle matching
 wilderness concept
 wildfire
 wildlife conservation
 wildlife corridor
 Wildwood
 Wilson cycle
 wilting point
 wind energy
 wind erosion
 wind ripple
 wind shadow
 wind-driven circulation
 Windermere Interstadial
 windthrow
 wine quality and quantity
 Wolf minimum
 wood anatomy
 wood pasture
 woodland conservation
 woodland management
 practices
 World Heritage Sites
 World Reference Base for Soil
 Resources (WRB)
 world system

 xenobiotics
 xeriscaping
 xerophyte
 X-radiography

X-ray diffraction analysis
(XRD)
X-ray fluorescence
analysis (XRF)

yardangs
yellow fever
yield

yield gap
Younger Dryas Stadial

zeugen
zinc (Zn)
zonal index
zonal soil
zonation

zoning
zooarchaeology
zoogeography
zoogeomorphology
zoological gardens (zoos)
zoom
zoonoses
zooplankton