

## Z

- zabaleta** *nf* [Linares, Sp] ash-pit of a furnace
- zaborra** *nf* paving stone | gravel, grit | screenings | fragments
- zaborro** *nm* [Sp] chunk of plaster
- zaca** *nf* a large leather bag, like an oversize wine-skin (*zaque*) used to bail water out of a mine
- zafareche** *nm* lake | reservoir
- zafir** *nm* archaic spelling of *zafiro*
- zafireo,-ea** *adj* sapphire-colored
- zafirino,-na** *adj* sapphirine, sapphire-colored | *nf* blue chalcedony or agate
- zafirita** *nf* a variety of blue chalcedony
- zafiro** *nm* sapphire | ultramarine, lapis lazuli | *z. amarillo* yellow topaz, oriental topaz | *z. asteria* star sapphire | *z. azul* blue hyaline corundum | *z. azul hembra* light blue hyaline corundum | *z. azul macho* dark blue hyaline corundum | *z. blanco* colorless sapphire, white sapphire | *z. calcedonioso* milky blue sapphire | *z. de agua* gem cordierite | *z. del Brasil* blue tourmaline, indicolite | *z. Du Puy* Du Puy sapphire (from Expailly, near Du Puy, France) | *z. estrellado* sapphire with asterism | *z. falso* pink tourmaline | *z. girasol* girasol sapphire | *z. ojo de gato* cat's-eye sapphire | *z. oriental* light blue sapphire, oriental sapphire | *z. rojo* oriental ruby, red corundum | *z. verdadero* saffire | *z. verde* oriental emerald, green hyaline corundum | *z. violeta* oriental amethyst, violet hyaline corundum
- zafra** *nf* gangue, waste rock
- zafre** *nm* zaffer or zaffre, an oxide of cobalt
- zafretero** *nm* common laborer in a mine (usually applied to muckers)
- zagalone** *nm* [Cartagena and Almagrera, Sp] youth employed as an orebearer
- zahén** *adj* of fine gold, generally in the case of coinage
- zahena** *nf* doubloon, an old Spanish coin
- zahondar** *vtr* to sink | *vintr* to deepen
- zahorra** *nf* ballast stone
- zairita** *nf* zairite
- zakharovita** *nf* zakharovite
- zala** *nf* borax
- zamarra** *nf* slab | bloom of a Catalonian forge
- zamboninita** *nf* mixture of fluorite and sellaite | nontronite
- zambullidor** *nm* [Col] workman who dives underwater to recover auriferous gravels
- zambullir** *vtr* [Col] to extract auriferous gravels from a streambed by diving, with the assistance of ladders, poles etc., the gravels usually being collected in *bateas* for washing
- zancleano,-na** *nm/adj* Zanclean
- zangarro** *nm* [Asientos, Méx] small mill
- zanja** *nf* ditch, channel, trench | trench, cutting, or pit, such as those dug to prospect for ores | [Arg, PR] ravine, gully | *z. de exploración* test trench | *z. de lodo* mud pit | *z. de préstamo* borrow pit
- zanjadora** *nf* ditching machine, ditcher
- zanjar** *vtr* to dig a ditch or trench (*note*: used figuratively, *zanjar* means to overcome some difficulty or obstacle)
- zanjeador** *nm* ditch digger
- zanjeadora** *nf* ditcher
- zanjeear** *vtr* to dig a ditch
- zanjeo** *nm* ditching, ditch digging | underhand stoping
- zanjón** *nm* large or deep ditch or trench | [Arg] steep gully | [PR] solution corridor
- zanoga** *nf* glacial cirque
- zapa** *nf* sapping, undermining, or trenching as military engineers did in the days of siege warfare | intermediate galleries driven between main galleries
- zapadora** *nf* excavator
- zapapico** *nm* pick-axe, mattock
- zapar** *vtr* to undermine | to excavate
- zapatalita** *nf* zapatalite
- zaranda** *nf* sieve, screen, or riddle, either used by hand (*de mano*) or mechanical
- zarandado,-da** *adj* sieved, screened
- zarandador,-dora** *nm/nf* screener, siever
- zarandar** *vtr* to sift, sieve, screen
- zarandear** *vtr* to sift, sieve, screen
- zarandeo** *nm* sifting sieving, or screening | *z. grosero* rough screening
- zarandero,-ra** *nm* or *nf* sifter, screen tender
- zarandillo** *nm* small sieve
- zaratita** *nf* zaratite
- zarco,-ca** *adj* light blue
- zarda** *nf* [Arg] a type of bit used for drilling wells
- zarzo** *nm* roof timber in a mine
- zavaritskita** *nf* zavaritskite
- zektzerita** *nf* zektzerite
- zellerita** *nf* zellerite
- zemannita** *nf* zemannite

**zemorriense** *nm/adj* Zemorrian

**zenit** *nm* zenith

**zenital** *adj* azimuthal, zenithal

**zeofilita** *nf* zeophyllite

**zeolita** *nf* zeolite | *z. azul* lazulite | *z. barítica* barium zeolite | *z. bronceada* dark stilbite | *z. cálcica* calcium zeolite | *z. cúbica* chabazite | *z. calcífera* calcium zeolite | *z. de Borkhult* zeolitized anorthite | *z. de Bretaña* laumontite | *z. de Edelfors* edelforsite | *z. de Sudermania* spodumene | *z. de Suecia* spodumene | *z. del Cabo* prehnite | *z. dura* analcime | *z. férrica* iron zeolite | *z. harinosa* laumontite | *z. manganésica* manganese zeolite | *z. nacarada* stilbite | *z. potásica* potassium zeolite | *z. radiada* mesolite | *z. roja* edelforsite | *z. sódica* sodium zeolite | *z. sodicálcica* sodium-calcium zeolite

**zeolítico,-ca** *adj* zeolitic

**zeolitización** *nf* zeolitization

**zermattita** *nf* chrysotile | antigorite

**zeugira** *nf* metabrushite

**zeunerita** *nf* zeunerite

**zeuxita** *nf* acicular ferrous tourmaline

**zeylanita** *nf* ceylonite

**zeyringita** *nf* calcite | aragonite

**zeyssatita** *nf* randanite

**zhemchuzhnikovita** *nf* zhemchuzhnikovite

**zianita** *nf* kyanite

**ziguelina** *nf* a brick-red *var* cuprite (mixed with limonite) | dolomite with finely disseminated cinnabar

**zigzag** *nm* zigzag | *en z.* staggered

**zigzaguar** *vtr* to zigzag

**zillerita** *nf* tremolite-actinolite asbestos (*var* mountain cork)

**zillerthita** *nf* tremolite-actinolite asbestos (*var* mountain cork)

**zimapanita** *nf* zimapanite (a rejected mineral species)

**zinalsita** *nf* zinalsite

**zinc** *nm* zinc | *z. carbonatado* smithsonite | *z. electrotérmico* electrothermic zinc | *z. hidrocarbonatado* hydrozincite, calamine | *z. oxidado silicífero* calamine, hydrozincite

**zincaluminita** *nf* zincaluminitite

**zincazurita** *nf* mixture of zinc sulfates and copper carbonates, zinkazurite

**zincífero,-ra** *adj* zinc-bearing, zinciferous

**zinckenita** *nf* zinckenite

**zinc-melanterita** *nf* zinc-melanterite

**zincobotriogen** *nm* zincobotryogen

**zincocalcita** *nf* zinc calcite

**zincocopiapita** *nf* zincocopiapite

**zincoferrita** *nf* franklinite

**zincolivenita** *nf* zinc olivine

**zinconisa** *nf* hydrozincite, calamine

**zincoschefferita** *nf* zinc schefferite

**zincosita** *nf* zinc sulfate

**zincoso,-sa** *adj* zincous, zincic

**zincrodrocrosita** *nf* zinc rhodochrosite

**zincrómerita** *nf* zinc römerite

**zincrosasita** *nf* zincrosasite

**zincsiderita** *nf* zinc siderite

**zincsilita** *nf* zincsilite

**zincteallita** *nf* mixture of teallite and wurtzite

**zinc-zippeita** *nf* zinc-zippeite

**zinkaragonito** *nm* nicholsonite

**zinkboothita** *nf* zinc boothite

**zinkenita** *nf* zinkenite

**zinkhausmannita** *nf* hetairite

**zinkisa** *nf* tin sulfide

**zinkita** *nf* zincite

**zinkmelanterita** *nf* zinc melanterite

**zinkosita** *nf* zinc sulfate

**zinkphyllita** *nf* hopeite

**zinntitanita** *nf* stanniferous sphene

**zinnwaldita** *nf* zinnwaldite

**zinopel** *nm* red jasper mixed with gold-bearing pyrite

**zinqu** *nm* zinc (archaic spelling)

**zippeita** *nf* zippeite

**ziquitumba** *nf* dewatering of a mine by hand labor

**zircarbita** *nf* zirconium carbonate

**zircofilita** *nf* zircophyllite

**zircón** *nm* zircon | *z. favas* baddeleyite

**zirconiana** *nf* zircon-bearing nepheline syenite

**zirconio** *nm* zirconium

**zirconita** *nf* zircon

**zircón-jacinto** *nm* rosemuschite

**zircón-pectolita** *nm* rosemuschite

**zirconolita** *nf* zirkelite

**zircosulfato** *nm* zircosulfate

**zirkelita** *nf* zirkelita

**zirklerita** *nf* zirklerite

**zirkofilita** *nf* zircophyllite

**zirlita** *nf* allophane

**zirsinalita** *nf* zirsinalite

**ziszás** *nm* zigzag | *en z.* staggered

**zittavita** *nf* zittavite

**zoantariense** *nm* Zoantarian

**zöblitzita** *nf* serpentine

**zobtenita** *nf* gabbro-gneiss

**zócalo** *nm* basement, continental platform | *z. continental* continental shelf, continental plain | *z. estable* table shelf or platform | *z. insular* insular shelf | *z. lábil* tectonically formed platform or shelf | *z. liminar* continental plain

**zocollar** *vtr* [Ec] to clear land (preparatory to mining)

**zoesita** *nf* fossiliferous chalcedony

**zoicita** *nf* zoisite

**zoisita** *nf* zoisite

**zoisitaoligoclasapegmatita** *nf* oligoclase zoisite pegmatite

**zona** *nf* zone. | area (as in *la zona estudiada* 'the study area') | region, belt (as in *zona mineralizada* 'mineralized region' or 'belt.') | layer or band of mineral in a vein (as in *zonas de cuarzo*, 'quartz bands') | *z. abisal* abyssal zone | *z. abismal* abyssal zone | *z. aciete-agua* oil-water contact | *z. acinal* acinal area | *z. afótica* aphotic zone | *z. alterada* [seis] weathered zone | *z. batial* bathyal zone | *z. ciega* [seis] blind zone | *z. comprobada* proven zone | *z. contaminada* contaminated zone | *z. contigua* contiguous zone | *z. cortical* upper crust | *z. costera* coastal zone (to 200 m depth) | *z. crítica* [topo] critical z. | *z. de ablación* ablation area | *z. de abrasión* abrasion platform | *z. de acumulación* accumulation zone | *z. de aeración* zone of suspended water | *z. de agotamiento* zone of depletion | *z. de alteración* alteration zone. | *z. de anamorfismo* anamorphic zone | *z. de arranque* root zone | *z. de Benioff* Benioff zone | *z. de capas plegadas* folded zone | *z. de capilaridad* capillary fringe | *z. de catamorfismo* katamorphic zone | *z. de cementación* zone of cementation | *z. de cizalladura* shear zone | *z. de cizallamiento* shear zone | *z. de contacto* contact zone | *z. de deposición* zone of deposition | *z. de derrumbamiento* zone of caving (in a well) | *z. de desarrollo* development zone, pay zone | *z. de descargo* zone of discharge | *z. de dislocación* fault zone | *z. de drenaje* drainage area | *z. de erosión* zone of erosion | *z. de explotación* producing zone | *z. de fallas* fault zone, zone of faulting | *z. de flujo* zone of flow or plastic flow | *z. de fracturamiento* or *fracturación* or *fractura* fracture zone | *z. de hundamiento* zone of subsidence | *z. de iluviación* zone of illuviation | *z. de infiltración* zone of infiltration | *z. de inundación* flood area | *z. de invasión* invasion zone | *z. de inyección*

*injection zone* | *z. de las coraiñas* (30-90 m water depth) | *z. de las laminarias* (0-30 m water depth) | *z. de los corales* (100-500 m water depth) | *z. de meteorización* zone of weathering | *z. de movilidad* asthenosphere | *z. de pérdida de circulación de lodo* lost circulation zone | *z. de saturación* saturation zone | *z. de saturación intermitente* zone of intermittent saturation | *z. de sedimentación* zone of deposition | *z. de subsidencia* subsidence z. | *z. de transformación metamórfica* metamorphic transformation zone | *z. de transición* transition zone | *z. de trituración* crush zone | *z. de turbulencia* zone of turbulence | *z. de vórtices* whirl-zone | *z. débil* weak zones in the crust that form geosynclines | *z. disfótica* dysphotic zone | *z. eufótica* euphotic zone | *z. explotada* stope | *z. extérrida* external zone (in alpine folding) | *z. fallada* fault zone | *z. firme* terra firma | *z. fluida* lower crust | *z. fracturada* fracture zone | upper crust | *z. fuente de contaminación* [env] area source | *z. glacial* glacial zone | *z. infiltrada* infiltration zone | *z. interfacial* or *interfase* interface | *z. intermedia* intermediate belt | that part of a geosyncline where mountain-building occurs | *z. inténrida* internal zone (in alpine folding) | *z. inundada* flooded zone | *z. glaciario* or *glacial* glacial z. | *z. intertidal* intertidal z. | *z. límite* limiting zone | *z. litoral* coastal zone | *z. marina de jurisdicción nacional* exclusive economic z. | *z. mediánida* zone of folding | *z. medida* zone of folding | *z. mérida* zone of folding | *z. metamórfico* zone of maximum metamorphism | *z. miogeosinclinal* miogeosyncline | *z. miomagmática* miogeosyncline | *z. muerta* dead zone | *z. néritica* neritic z. | *z. no comprobada* unproven zone, untested area | *z. petrolífera* oil zone | *z. plegada* folded zone | *z. polar* polar zone | *z. por escalones* stoping ground | *z. por escalones en escalón* stoping level | *z. positiva* positive segment [of earth's crust] | *z. productora* productive zone, producing zone | *z. rígida* stable zone | *z. sísmica* seismic zone or area | *z. de sombra* [gephys] shadow zone | *z. templada* temperate zone | *z. tórrida* torrid zone | *z. vadosa* vadose z. | *en z.* [cryst] zoned

**zonación** *nf* zonation. | *z. metasomática* metasomatic zoning

**zonado,-da** *adj* zoned

**zonal** *adj* zonal

**zonalidad** *nf* zonality, zoning

**zonamiento** *nm* zoning  
**zonar** *adj* zoned compositionally (as for a magma)  
**zonga** *nf* [Col] rubble stone  
**zonificación** *nf* zoning  
**zonita** *nf* [Ariz] local term for multicolored chert and jasper  
**zonización** *nf* [Arg] zoning  
**zonoclorita** *nf* zonochlorite (*var* pumpellyite)  
**zonulo** *nm* zonule  
**zoofásmico,-ca** *adj* zoophasmic  
**zoógeno,-na** *adj* of organic origin  
**zoogeografía** *nf* zoogeography  
**zoolita** *nf* sedimentary rock formed exclusively or predominantly from animal remains | biolith | zoolith  
**zoolito** *nm* fossilized animal  
**zopetero** *nm* embankment, slope  
**zorgita** *nf* mixture of claustalite, tiemannite, and umangite  
**zorita** *nf* zorite  
**zorra** *nm* [Bol] flatcar used in a mine to carry equipment | [Méx] assistant who carried a light for the chief miner when the latter went underground  
**zubía** *nf* channel, pool, swamp  
**zuloagense** *nm/adj* Zuloagan  
**zunyita** *nf* zunyite  
**zurdo** *nm* a shaft sunk opposite the dipping side of a vein. (this is, of course, opposite from the side of a vein one normally sinks a shaft on, unless one intends to stope from below; hence, the use of *zurdo*, which normally means 'lefty' or 'southpaw', and in Hispanic cultures carries negative and unlucky connotations)  
**zurlia** *nf* mellilite  
**zurrapa** *nf* dregs, lees or sediment | raw sulphur containing 5 to 6% impurities  
**zurrapiento,-ta** *adj* muddy, turbid  
**zurraposo,-sa** *adj* muddy, turbid  
**zurrón** *nm* leather bag or sack, holding about 150 lbs., used to haul ore  
**zurronero** *nm* workman who carries ore or waste in a *zurrón*  
**zussmanita** *nf* zussmanite  
**zvyagintsevita** *nf* zvyagintsevite  
**zweiselita** *nf* zweiselite  
**zykaita** *nf* zykaite