

## O

- obducción** *nf* obduction
- obispo** *nm* [Calif] condensed oil extracted from some crude oils | [Ch] caliche with a purplish hue
- objetivo** *nm* objective, objective lens
- oblicuo,-cua** *adj* oblique
- oblongo,-ga** *adj* oblong
- obra** *nf* work, labor | piece of work | *obra de desfrute* workings in ore | *obra muerta* dead workings, workings in barren rock
- obrador** *nm* workman, laborer
- obradora** *nf* [Méx] rock that breaks easily (*o. buena*) or or with difficulty (*o. mala*) when worked
- obrajero** *nm* foreman, overseer
- obrero** *nm* worker, laborer | *o. minero* Mine worker | *o. sondista* roughneck
- obrizo,-za** *adj* pure, refined
- obrizo** *nm* fine gold
- obsecuente** *adj* obsequent
- observación** *nf* remark | observation | *observaciones aparejadas* paired observations
- observado,-da** *adj* observed
- obsidiana** *nf* obsidian | *o. de pénjamo a var* of obsidian highly valued by natives of México
- obsidianita** *nf* obsidianite (*obs* tektite)
- obstáculo intermedio** *nm* stable zone between mobile belts
- obstruido,-da** *adj* obstructed | [Bol] blocked out (ore)
- obturación** *nf* obturation, filling
- obtusángulo** *nm* obtuse angle
- obtuso,-sa** *adj* obtuse
- occidental** *adj* occidental, of inferior quality (gems)
- ocelar** *adj* ocellar
- ocelo** *nm* ocellus
- oclusión** *nf* occlusion, absorption
- ocre** *adj* ochrous | *nm* ocher | *o. almagro* red ocher | *o. amarillo (de hierro)* yellow ocher, limonite | *o. antimonial* antimony ocher, stibconite, cervantite | *o. azul* blue ocher, azurite | *o. colorado* red ocher | *o. de antimonio* antimony ocher | *o. de Armenia* a dark red clay from Lemnos, Greece | *o. de búcares* an orange-red ocher from Portugal | *o. de cobre* malachite | *o. de hierro* paint rock | *o. de manganeso* wad | *o. de montaña* red ocher | *o. de níquel* annabergite | *o. de plomo* cerussite | *o. de tungsteno* tungstite | *o. marcial* limonite | *o. negro* wad | *o. plomífero* massicot, litharge | *o. rojo* red ocher | *o. tungsteno* tungstite, ferrotungstite
- ocroíta** *nf* cerite
- ocrolita** *nf* nadorite
- octaédrico,-ca** *adj* octahedral
- octaédrita** *nf* octahedrite (meteorite) | anatase (mineral)
- octaedro** *nm* octahedron
- octafilíta** *nf* octaphyllite
- octano** *m* octane
- oculto,-ta** *adj* occult
- ochava** *nf* two *adarmes* or 72 *granos*
- ochoense** *adj* Ochoan
- ochran** *nm* [Oravieza, Sp] a yellow clay
- oerstedio** *nm* oersted
- oficalcita** *nf* ophicalcite
- oficarbonato** *nm* ophicarbonite
- oficina** *nf* [Pe, Ch] nitrate works | [Méx] furnace used to retort mercury | *o. de beneficio* mill | *o. de concentración* concentrator | *o. de fundición* smelter
- ofiolita** *nf* ophiolite
- ofiolítico,-ca** *adj* ophiolitic
- ofita** *adj* ophite
- ofítico,-ca** *adj* ophitic
- ohmio** *nm* ohm
- oikocrist** *nm* oikocryst
- oitava** *nf* [Méx] a weight of approximately 17.5 carats
- ojiva** *nf* ogive
- ojo** *nm* small irregular bunch of ore | (SWUS) very small lake, pond | *o. de agua* spring discharging on a plain | *o. de gato* cat's eye, a variety of agate | *o. de muerto* [Cauca, Col] a porphyry with large white porphyroblasts | *o. de pavo real a var* marble | *o. de perdiz* finely-crystalline galena | *o. de pescado a var* of apophyllite | *o. de polvillo* patch of rich ore | *o. de tigre* tiger's eye | *o. de víbora* [Zacatecas, Méx] yellow sphalerite | *o. termal* hot spring
- olefina** *nm* olefin
- olenekiense** *adj* Olenkian
- oleoducto** *nm* pipeline
- Olenense** *nm* Potsdam
- Olenidense** *nm* Potsdam
- oligisto** *nm* specular hematite | *o. micáceo* micaceous iron ore | *o. rojo* hematite
- oligocénico,-ca** *adj* Oligocene
- oligoceno,-na** *adj* Oligocene | *nm* Oligocene
- oligoclasa** *nf* oligoclase

- oligoclasita** *nf* oligoclasite (*obs*, variety of diorite)
- oligoelemento** *nm* trace element
- oligofiro** *nm* oligophyre (*obs*, variety of diorite)
- oligomíctico,-ca** *adj* oligomictic
- oligopélico,-ca** *adj* oligopelic
- oligosita** *nf* oligoclasite (*obs*, variety of diorite)
- oligotrofia** *nf* oligotrophy
- oligotrófico,-ca** *adj* oligotrophic
- olisoglifo** *nm* olistoglyph
- olistrostroma** *nf* olistrostroma
- olivina** *nf* olivine *impr*
- olivinita** *nf* olivinite
- olivino** *nm* olivine
- olivinoide** *nm* olivinoid
- olla** *nf* whirlpool | [Méx] slag pot | [Sp] cirque | *o. de gigante* pot hole | *o. de remolineo* pot hole
- ollero** *nm* [Méx] a worker who handles slag pots
- olleta** *nf* [Antioquia, Col] pot-holes in bedrock of placers
- ollo de sapo** *nm* [Sp] augengneiss
- ombrogénuo,-nua** *adj* ombrogenous
- omfacita** *nf* omphacite
- omisión** *nf* [strat] omission
- onda** *nf* wave (electromagnetic or sonic) | *o. acústica* acoustic wave | *o. de explosión* detonation wave | *o. longitudinal* longitudinal wave | *o. parasita de superficie* ground roll | *o. reflejada* reflected wave | *o. refractada* refracted wave | *o. sísmica* seismic wave | *o. sonora* sound wave | *o. superficial* surface wave | *o. transversal* transverse wave | *o. transmisora* carrier wave
- ondeante** *adj* undulating
- óndula** *nf* [Arg] ripple | *o. descendente* downslope ripple | *o. incompleta* star ripple
- ondulación** *nf* undulation | [Sp] ripple | ripple mark | *o. asimétrica* asymmetric ripple mark | *o. conjugada* compound ripple mark | *o. de cauce* ripple scour | *o. de interferencia* cross-ripple | *o. de resaca* backwash ripple mark | *o. linguloide* cusped or linguloid ripple mark | *o. simétrica* symmetric ripple mark | *o. transversa* transverse ripple mark
- ondulado,-da** *adj* undulate, undulated
- ondulante** *adj* undulating
- ondulita** *nf* [Arg] ripple mark | *o. asimétrica* asymmetric ripple mark | *o. conjugada* compound ripple mark | *o. de cauce* ripple scour | *o. de resaca* backwash ripple mark | *o. linguloide* cusped or linguloid ripple mark | *o. simétrica* symmetric ripple mark | *o. transversa* transverse ripple mark
- simétrica** symmetric ripple mark | *o. transversa* transverse ripple mark
- ónice** *nm* onyx | *ó. de Argelia* calcite stalagmite or stalagmite
- ónique** *nm* onyx
- ónix** *adj* onyx | *nm* onyx | *o. Mexicano* alabaster
- onokoide** *nm* onokoid
- onondagiense** *adj* Onondagan
- Ontariano** *nm* Ontarian
- onza** *nf* ounce
- ooid** *nm* ooid
- oofásmico,-ca** *adj* oophasmic
- oolita** *nf* oolite | *o. férrica* oolitic iron ore, minette
- oolítico,-ca** *adj* oolitic
- oolitización** *nf* oolithization
- oolito** *nm* oolith
- oolitoide** *nm* oolithoid
- ooloide** *nm* ooloid
- oovoide** *nm* oovoid
- opacidad** *nf* opacity
- opacita** *nf* opacite
- opaco,-ca** *adj* opaque
- opulado,-da** *adj* opalized
- opalescencia** *nf* opalescence
- opalescente** *adj* opalescent
- opalino,-na** *adj* opalescent, opal, opaline | *nf* opaline
- opalizado,-da** *adj* opalized
- ópalo** *nm* opal | *ó. común* common opal | *ó. de fuego* fire opal | *ó. de madera* wood opal | *ó. dorado* fire opal | *ó. fino* fine opal | *ó. jaspeado* jaspopal | *ó. lechoso* milk opal
- operario** *nm* working miner
- operación** *nf* operation
- operacional** *adj* [strat] operational
- operador,-dora** *nm/f* operator
- opisometro** *nm* opisometer
- opoca** *nf* Opoka
- óptico,-ca** *adj* optalic, caustic
- óptica** *nf* optics | *ó. cristalográfica* optical crystallography
- óptico,-ca** *adj* optic, optical
- optimación** *nf* optimization | *o. en la recuperación de petróleo* enhanced oil recovery
- opuesto,-ta** *adj* opposite
- oquedad** *nf* pore, cavity, vug | channel of communication between orebodies
- orbiculo** *nm* orbicule
- órbita** *nf* orbit
- orden** *nm* order | *o. de cristalización* order of crystallization
- ordenación** *nf* [Sp] data processing

- Ordenanzas de Minería** *nfpl* mining laws introduced to México in 1784 and remaining in effect until the *código de minas* of 1884
- Ordenanzas de Nueva España** *nfpl* mining laws in force in Perú from 1786 to 1900
- Ordenanzas del Nuevo Cuaderno** *nfpl* mining law established by King Phillip II of Spain
- ordoñezita** *nf* ordonezite
- Ordovicense** *nm* Ordovician
- ordoviciano,-na** *adj* Ordovician
- ordovícico,-ca** *adj* Ordovician | *nm* Ordovician
- orelliense** *adj* Orellan
- orfeíta** *nf* orpheite
- organal** *nm* [Col] gold-bearing gravels intercalated with boulders and cobbles rendering exploitation difficult
- orgánico,-ca** *adj* organic
- organigrama** *nm* chart
- organógeno,-na** *adj* organogenic
- organometálico,-ca** *adj* organometallic
- organosedimentario,-ria** *adj* organosedimentary
- orientación** *nf* direction | orientation | *o. preferencial* preferred orientation
- oriental** *adj* oriental, genuine (gems)
- orientación** *nf* orientation
- orientado,-da** *adj* oriented
- orientar** *vtr* to orient
- oriente** *nm* orient (gems)
- orificio** *nm* opening
- orilla** *nf* river bank | shore (sea or lake) | edge, side | selvage | rim | *o. cóncava* concave bank | *o. convexa* convex bank | *o. de arcilla* or *de barro* clay selvage | *o. de deslizamiento* landslide scar or terrace
- orillo** *nm* selvage
- orín** *nm* rust
- oriskaniense** *adj* Oriskanian
- orito** *nm* [Col] color, traces of gold found in a gold pan
- orizita** *nf* epistilbite
- orla** *nf* border, fringe | *o. continental* continental borderland | *o. freática* capillary fringe
- oro** *nm* gold | *o. argental* copper-bearing electrum | *o. bajo* gold ore of low grade | *o. batito* beaten gold | *o. blanco* white gold | *o. blanco de Colombia* amalgam | *o. bruto* gold bullion | *o. corrido* [Ch] placer gold | *o. crespo* [Col] distal placer gold | *o. cristalizado* natural crystal of gold | *o. de aluvión* placer gold | *o. de barranca* [Col] gold from the *cerros* of Santa Rosa | *o. de escama* [Col] spangle gold | *o. de espuma* [Col] float gold | *o. de gato (de los gatos)* biotite with a gold-like or metallic color, fool's gold | *o. de lavadero* gold that can be panned or washed | *o. de ley* fine gold | *o. de molino* gold obtained in trunking | *o. de monte* [Col] gold from the mines of Angostura, Antioquia (distal placer gold deposits) | *o. de Nagyag* nagyagite | *o. de recogida* [Col] a lot of gold obtained from several mines | *o. de veta* vein gold | *o. empolvado* gold dust | *o. en barras* gold bullion | *o. en hojas* gold leaf | *o. en panes* gold leaf | *o. en pasta* gold bullion | *o. en polvo* gold dust | *o. filoniano* vein gold | *o. fino* [Col] distal placer gold | *o. greda* [Vz] placer gold | *o. guaín* gold under legal standard | *o. libre* free gold | *o. mate* unpolished gold | *o. molido a mano* gold obtained by hand grinding | *o. moscorroffio* [Col] wire gold found in placers | *o. nativo* native gold | *o. negro* [Vz] gold covered by iron oxide and organic matter which will not amalgamate | *o. niño* [Col] float gold | *o. paradójico* native tellurium | *o. puro* fine gold | *o. refinado* refined gold | *o. verde* gold of a greenish color | *o. virgen* gold bullion
- oroclino** *nm* orocline
- orocrático,-ca** *adj* orocratic
- oroche** *nm* [Méx] bullion containing both gold and silver | *o. natural* electrum
- orogen** *nm* orogenic belt
- orogénesis** *nm* mountain building, orogenesis, orogeny
- orogenético,-ca** *adj* orogenetic
- orogenia** *nf* mountain building, orogenesis, orogeny
- orogénico,-ca** *adj* orogenic
- orógeno** *nm* orogenic belt, orogen
- orogeosinclinal** *nm* orogeosyncline
- orografía** *nf* orography
- orográfico,-ca** *adj* orographic
- orimetría** *nf* orometry
- oropimente** *nm* orpiment
- oropión** *nf* a soft, brown or reddish black clay
- oroseíta** *nf* iddingsite
- ortita** *nf* orthite, allanite
- ortoanfíbol** *nm* orthoamphibole
- ortoandesita** *nf* orthoandesite (*obs*, orthopyroxene andesite)
- ortobituminoso,-sa** *adj* orthobituminous
- ortobromita** *nf* embolite
- ortocaliza** *nf* ortholimestone
- ortoclase** *nf* orthoclase
- ortoclasita** *nf* orthoclasite (*obs*, granite, syenite)
- ortoclino** *nf* orthocline

- ortoclorita** *nf* orthoclorite  
**ortoconglomerado** *nm* orthoconglomerate  
**ortocronología** *nf* orthocronology  
**ortocrísotil** *nm* orthochrysotile  
**ortocuarcita** *nf* orthoquartzite  
**ortocuarcítico,-ca** *adj* orthoquartzitic  
**ortodolomía** *nf* orthodolostone  
**orto-eje** *nm* orthoaxis  
**ortoesquisto** *nm* orthoschist  
**ortoestratigrafía** *nf* orthostratigraphy  
**ortofelsita** *nf* orthophyre  
**ortofírico,-ca** *adj* orthophyric  
**ortófiro** *nm* orthophyre (*obs*)  
**ortogeosinclinal** *nm* orthogeosyncline  
**ortogneis** *nm* orthogneiss  
**ortogonal** *adj* orthogonal  
**ortográfico,-ca** *adj* orthographic  
**ortogranito** *nm* kaligranite  
**ortohídrico,-ca** *adj* orthohydrous  
**ortolignítico,-ca** *adj* ortholigneous  
**ortomagmático,-ca** *adj* orthomagmatic  
**ortomarmól** *nm* orthomarble  
**ortomatriz** *nf* orthomatrix  
**ortométrico,-ca** *adj* orthometric  
**ortomímico,-ca** *adj* orthomimic  
**ortomórfico,-ca** *adj* orthomorphic, conformal  
**ortomorfismo** *nf* orthomorphism, conformality  
**ortoneis** *nf* orthogneiss  
**ortopiroxenita** *nf* orthopyroxenite  
**ortopiroxeno** *nm* orthopyroxene  
**ortorroca** *nf* orthorock  
**ortorrómbico,-ca** *adj* orthorhombic  
**ortosa** *nf* orthoclase | *o. descompuesta* kaolinized  
orthoclase | *o. sódica* sanidine  
**ortosilicato** *nm* orthosilicate  
**ortosita** *nf* orthosite  
**ortotéctico,-ca** *adj* magmatic  
**ortotectonismo** *nm* orthotectonics, alpinotype  
tectonics  
**oruga** *nf* bulldozer, caterpillar tractor, "cat"  
**oscilación** *nf* oscillation  
**oscilar** *vtr* to oscillate  
**osificación** *nf* ossification  
**osificar** *vtr* to ossify  
**osificarse** *vpr* to become ossified  
**osipita** *nf* ossipite (*obs, var* of troctolite)  
**osmio** *nm* osmium  
**osmiridio** *nm* osmiridium  
**ostrácodo** *nm* ostracod  
**otajanita** *nf* ottajanite (*obs, leucite trachybasalt*)  
**oulofolita** *nf* oulofolite, cave flower  
**ovillo** *nm* skein | *en forma de o.* tangle-shaped,  
tangled-up  
**ovoide** *adj* ovoid, oviform, egg-shaped  
**ovoideo,-da** *adj* ovoid, oviform, egg-shaped  
**oviforme** *adj* oviform, ovoid, egg-shaped  
**oxalita** *nf* humboldtine  
**oxamita** *nf* oxammite  
**oxfordiano,-na** *adj* Oxfordian  
**oxfordense** *adj* Oxfordian | *nm* Oxfordian  
**oxibasiofítico,-ca** *adj* oxybasiophitic  
**oxicloruro** *nm* oxychloride | *o. de cobre*  
atacamite  
**oxidación** *nf* oxidation, oxidizing  
**oxidadante** *adj* oxidizing  
**oxidar** *vtr* to oxidize  
**oxidato** *nm* oxidate  
**oxidita** *nf* oxidite, shale-ball  
**óxido** *nm* oxide | *ó. cúprico* tenorite | *ó. de calcio*  
quicklime | *ó. de cinc* calamine, zincite | *ó. de*  
*circonio* baddeleyite | *ó. de cobre* cuprite,  
tenorite | *ó. de estaño* cassiterite | *ó. de hierro*  
iron oxide | *ó. de manganeso* manganese oxide,  
pyrolusite | *ó. de mercurio* hydrargyrite | *ó. de*  
*paladio* paladite | *ó. de titanio* titanium dioxide |  
*ó. de urano* uraninite | *ó. de zinc* zinc oxide | *ó.*  
*férrico* ferric oxide | *ó. hidratado* hydrated oxide  
| *ó. rojo de cinc* zincite  
**oxigenado,-da** *adj* oxygenated  
**oxígeno** *nm* oxygen  
**oxihornblenda** *nf* oxyhornblende, basaltic  
hornblende  
**oximagnita** *nf* oxymagnite, maghemite  
**oximesostasis** *nf* oxymesostasis  
**oxiofítico,-ca** *adj* oxyophitic  
**oxisfera** *nf* oxisphere  
**oxoferrita** *nf* oxoferrite  
**Ozarkense** *nm* Ozarkian (*obs*)  
**ozoquerita** *nf* ozocerite, native paraffin