

STRUCTURES VOCABULARY

English Word	Spanish trans.	Importance	Notes
Act on	Actuar sobre	1	To have an effect on
Apply	Aplicar	1	To put or spread something onto something.
Arch	Arco	<u>-</u> З	A curved construction over an opening
Artificial	Artificial	2	Made by humans
Bar	Barra	2	A piece of solid material that is longer than it is wide
Beam	Viga, perfil	1	A long piece or bar of metal, wood, etc., used to support a roof, building, or other structure
Bear	Soportar	3	To hold up or support
Bend	Doblar	2	To force something into a curved form
Bending	Flexión	1	The act of forcing something from a straight form into a curved form
Cable	Cable	2	A thick strong metal rope
Compression	Compresión	1	
Cover	Cubrir	2	To fill or spread over a certain area
Cutting	Cortante	1	See Unit 8 for a complete definition
Deform	Deformar	1	To change the natural shape of something
Direction	Dirección	1	
Dismantle	Desmantelar	3	To remove parts or pieces of something
Dynamic	Dinámico	1	
Enable	Permitir	1	To make able
Fasten	Sujetar	3	To attach firmly or securely in place or to something else
Fixed	Fijo	1	Not changing
Flatten	Aplastar	2	To (cause to) become flat
Footing	Zapata	3	The lower part of a foundation of a column, wall, building
Force	Fuerza	1	See Unit 8 for a complete definition
Foundation	Cimientos	2	The base on which some structure rests
Geodesic	Geodésica	3	Relating to or involving the geometry of curved surfaces
Hang	Colgar	2	To suspend
Join	Unir	1	To connect
Joint	Junta	3	The place at which two things or parts are joined.
Joist	Vigueta	3	One of a number of small parallel beams that support a floor or ceiling.
Lattice	Entramada	3	A structure built from cement or steel bars joined to form a rigid grid.
Lintel	Dintel	3	A piece of wood or stone supporting the weight above an opening, as a door
Load	Carga	• 5 • 1	A piece of wood of stone supporting the weight above an opening, as a door
Loosen	Aflojar	2	To (cause to) become less tight:
Make up	Formar, constituir	\rightarrow 2	
Massive	Masiva	3	Massive structures. Structures made stacking rock or other materials
Movement	Movimiento	1	
Natural	Natural	1	Not made or caused by humans
Node	Nodo	2	A knot or knob of something that sticks up or out.
Permanent	Permanente	1	That is not going to change
Pile	Pilote	3	A long piece of wood, concrete, hammered upright into soil to form part of a foundation
Pillar	Pilar	$\overline{}$ 3	A column of stone, wood or metal that is used for supporting part of a building
Pressure	Presión	y 5 1	
Profile	Perfil	3	Bars with different cross-sections, depending on the type of forces they have to bear
Remain	Permanecer	✓ 5 1	To stay or continue in the same place or condition
Resist	Resistir	1	To try to stop something from happening
Resistance	Resistencia	1	
Rigidity	Rigidez	1	See Unit 8 for a complete definition
Shear	Cizalladura	3	The same that cutting
Sink	Hundir	2	To fall or descend to a lower level or position:
Slab	Losa	3	A thick piece or slice of anything
Span	Alcance	3	The full extent, stretch, or reach of something
Stability	Estabilidad	1	The state, quality, or condition of being stable
Stack	Amontonar	3	To pile, arrange, or place in a stack
Static	Estático	 ✓ 3 1 	
Stress	Esfuerzo	1	Internal tension which appears in objects subjected to forces.
Stretch	Estirar	2	To (cause to) extend or spread from one place to another
Structure	Estructura	1	Set of elements of a body in charge of supporting loads
Suspendend	Colgante	3	Suspended structures: Hanging from cables
Suspendend	Colganite	V 5	

Tensión		1	See stress
Tetraedro	₽	3	A triangular pyramid
Tensor	↓	3	Cable used in suspended structures
Apretar	↓	3	To (cause to) become more tight:
Volcar	\Rightarrow	2	To (cause to) tumble
Aplastar	\Rightarrow	2	
Girar		1	To turn (something) from one direction to another, as by rotating
Torsión		1	Stress that appears when a body is twisted
Tracción		1	Stress that appears when a body is stretched
Trayectoria		1	
Triangulación		1	See Unit 8 for a complete definition
Erguido	\Rightarrow	2	Straight or vertical, as in position or posture
Variable	\Rightarrow	2	Not staying the same; often changing
Bóveda	₽	3	An arched structure, usually of stones, concrete, or bricks, that forms a ceiling or roof.
Abovedada	₽	3	Structure with vaults
Peso		1	
Soldar	₽	3	Unite metal or plastic pieces by hammering or squeezing them together after applying heat
	Tetraedro Tensor Apretar Volcar Aplastar Girar Torsión Tracción Trayectoria Triangulación Erguido Variable Bóveda Abovedada Peso	TetraedroTensorApretarVolcarAplastarGirarTorsiónTracciónTrayectoriaTriangulaciónErguidoVariableBóvedaAbovedadaPeso	Tetraedro3Tensor3Apretar3Apretar3Volcar2Aplastar2Girar1Torsión1Tracción1Trayectoria1Triangulación1Erguido2Variable2Bóveda3Abovedada3Peso1