

Word	Definition	Example	Synonym	Antonym	Derived forms
Introduction					
drought (n)	a long period with little or no rain, <i>ξηρασία</i>	The crops were ruined by drought.			
eruption (n)	when a volcano explodes, <i>έκρηξη</i>	The eruption of the Krakatoa volcano was one of the most violent in global history.	burst, explosion		
melt (v)	to change from a solid to a liquid through heat, <i>λιώνω</i>	The wax melted as the candle burned.		freeze	
volcanic (adj)	characterized by, or relating to a volcano, <i>ηφαιστιακός</i>	There has been some volcanic activity on the Santorini volcano recently.			
Lesson 1					
ban (v)	to forbid or have an official rule against; prohibit, <i>απαγορεύω</i>	The law bans drunk driving.	forbid, prohibit	permit	
bubble (n)	a ball of air or other gas inside another substance, <i>φουσαλίδα</i>	Bubbles form in water when it boils.			
coal (n)	a hard black substance that is found in the earth, <i>κάρβουνο</i>	People who mine coal have a dangerous job.			
combustion (n)	the act or process of burning, <i>καύση</i>	Most automobiles have an engine which creates energy by the combustion of gasoline.			
convert (v)	to change into a different form or state, <i>μετατρέπω</i>	This sofa converts into a bed.			
dam (n)	a wall built across a river or stream to stop the flow of water, <i>φράγμα</i>	The dam was built to help control floods.			
exhaust (n)	the smoke or gas given off by an engine, <i>καυσαέριο</i>	The exhaust from the old car filled the garage with smoke.			
fossil (n)	the remains or trace of a living animal or plant from a long time ago, <i>απολίθωμα</i>	Fossils of fish in the rock showed that the area had once been under water.			
fossil fuel (n)	any carbon-containing fuel formed from the remains of prehistoric plants and animals, <i>φυσικό καύσιμο</i>	Coal, petroleum, and natural gas are examples of fossil fuel.			
fume (n)	gas or smoke that is not pleasant or healthy, <i>καπνός</i>	Breathing in paint fumes made him dizzy.			
gerbil (n)	a very small rodent that looks like a mouse with a furry tail, <i>γεβρίλος (είδος χάμστερ)</i>	Gerbils live in burrows in the deserts of Africa and Asia.			

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landmark (n)	a building or place that is easily recognized, especially one that is used as a reference, <i>ορόσημο</i>	The large red house on the corner is the landmark for our street.			
operate (v)	to work or run, <i>λειτουργώ</i>	This new lamp operates on batteries.	behave, function, run, work		
pond (n)	a small body of still water, <i>λιμνούλα</i>	Ducks live in the pond near my house.			
solar (adj)	having to do with or coming from the sun, <i>ηλιακός</i>	This house gets electricity from solar energy.			
thermal (adj)	using, resulting from, or producing heat, <i>θερμικός</i>	Thermal currents in the air lifted the hawk higher and higher.			thermally
whisper (v)	to speak softly and quietly, <i>ψιθυρίζω</i>	Please whisper while the baby is sleeping.	shout, yell		

Lesson 2

appliance (n)	a piece of equipment that people use to help them do work at home, <i>συσκευή</i>	All household appliances are now on sale.			
chandelier (n)	a decorative light which hangs from the ceiling and has several parts like branches for holding bulbs, <i>πολυέλαιος</i>	There's a beautiful chandelier hanging from the dome of the church.			
device (n)	an invention or machine used for a specific purpose, <i>μηχάνημα</i>	The computer is a device that has changed the way people work.	instrument, tool		
disaster (n)	a sudden event that causes a lot of damage, <i>καταστροφή</i>	The earthquake was a disaster for the town.			
solar panel (n)	a panel of connected photovoltaic cells, <i>πίνακας ηλιακών κυττάρων</i>	They get all the electricity they need from solar panels.			

Self - Evaluation

chimney (n)	a tall, hollow structure that carries smoke up through a building and to the outside, <i>καμινάδα</i>	The chimney on my house is made of brick.			
efficient (adj)	working or operating quickly and effectively in an organized way, <i>αποτελεσματικός</i>	We need someone really efficient who can organize the office.			efficiently
flame (n)	the hot, bright gas that you see when something burns, <i>φλόγα</i>	Flames leaped from the roof of the burning house.			
ray (n)	a thin beam of light, <i>ακτίνα</i>	We enjoyed the warmth of the sun's rays.	light		

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shanty (n)	a small house, usually made from pieces of wood, metal or cardboard, in which poor people live, especially on the edge of a city, <i>καλύβα</i>	She lived just off the beach in a crude shanty.	home		
steam (n)	water in the form of a gas that you can see in the air when you boil or heat water, <i>ατμός</i>	We used steam to cook the vegetables.			