

# The Visual Non-Glossary



## Elementary Science

Kindergarten	1st Grade	2nd Grade	3rd Grade	4th Grade	5th Grade
air (aire)	air (aire)	activity (actividad)	adult (adulto)	adapt/adaptation (adaptar/adaptación)	absorb/absorption (absorber/absorción)
animal (animales)	animal (animal)	adult (adulto)	atmosphere (atmósfera)	adult (adulto)	adapt/adaptation (adaptar/adaptación)
appendage (extremidad)	appearance (apariencia)	air (aire)	attract/attraction (atraer/atracción)	air (aire)	atmosphere (atmósfera)
attract/attraction (atraer/atracción)	appendage (extremidad)	animal (animal)	Celsius (°C) (Celsius (° C))	anemometer (anemómetro)	average (promedio)
back and forth (atrás y adelante)	aquarium (acuario)	appearance (apariencia)	characteristic (característica)	animal (animal)	axis (eje)
behind (detrás)	back and forth (atrás y adelante)	attract/attraction (atraer/atracción)	cloud coverage (nubosidad)	appearance (apariencia)	battery (batería)
below (debajo)	basic need (necesidad básica)	basic need (necesidad básica)	combine/combination (combinar/combinación)	battery (batería)	behavioral adaptation (adaptación de comportamiento)
calm (calmado/tranquilo)	bigger/larger (más grande)	behavior (comportamiento)	community (comunidad)	behavior (comportamiento)	benefit/beneficial (beneficio/beneficial)
change (cambio)	body covering (cubierta corporal)	body covering (cubierta corporal)	condensation (condensación)	buoyancy (flotabilidad)	biofuels (biocombustibles)
clarity (claridad)	caregiver (cuidador)	brightness/luminosity (brillo/luminosidad)	conservation/conservate (conservación/conservar)	camouflage (camuflaje)	canyon (cañón)
clear (despejado)	change (cambio)	change (cambio)	consumer (consumidor)	carbon dioxide (dióxido de carbono)	carnivore (carnívoro)
cloudy (nublado)	characteristic (característica)	characteristic (característica)	cool/cooling (fresco/enfriar)	carnivore (carnívoro)	cementation (cementación)
color/coloration (color)	clear (despejado)	clothing (ropa)	cycle (ciclo)	Celsius (°C) (Celsius (°C))	characteristic (característica)
cool/cooling (fresco/enfriar)	cloudy (nublado)	cloud coverage (nubosidad)	decay/decompose/decomposition (decadencia/descomponer/descomposición)	circuit (circuito)	circuit (circuito)
cycle (ciclo)	cold (frío)	cloudy (nuboso)	decomposer/detritivore (descomponedor/detritívoro)	clay (arcilla)	climate (clima)
day/night (día/noche)	color/coloration (color)	color/coloration (color)	defense/protection (defensa/protección)	closed/complete circuit (circuito cerrado/completo)	closed/complete circuit (circuito cerrado/completo)

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energy (energía)	cool/cooling (enfriar/enfriamiento)	combine/combination (combinar/combinación)	drought (sequía)	cloud coverage (circuito cerrado/completo)	cloud coverage (cobertura nubosa)
eye (ojo)	cycle (ciclo)	conservation/conserve (conservar/conservación)	earthquake (terremoto)	coal (carbón)	community (comunidad)
fall/autumn (otoño)	day/night (día/noche)	consumer (consumidor)	ecosystem (ecosistema)	color/coloration (color/coloración)	compaction (compactación)
fast/slow (rápido/lento)	depend/dependent/dependence (depende)	cool/cooling (enfriar/enfriamiento)	egg (huevo)	community (comunidad)	compete/competition (competir/competencia)
feathers (plumas)	eat/eating (comer/comiendo)	cycle (ciclo)	energy (energía)	condensation (condensación)	condensation (condensación)
food (alimento)	energy (energía)	decrease/decreasing (disminuir/disminución)	environment (medio ambiente/entorno)	conductor (conductor)	conduction/conduct (conducción)
freeze/freezing (congelar/congelación)	fall/autumn (otoño)	depend/dependent/dependence (depende/dependiente/dependencia)	environmental change (cambio medioambiental)	conservation/conserve (conservación/conservar)	conductor (conductor)
fruit (fruta)	fast/slow (rápido/lento)	dormancy (letargo)	erupt/eruption (erupcionar/erupción)	consumer (consumidor)	consumer (consumidor)
fur (pelaje)	flow of energy (flujo de energía)	egg (huevo)	evaporation (evaporación)	cycle (ciclo)	crater (cráter)
habitat (hábitat)	flower (flor)	energy (energía)	Fahrenheit (°F) (Fahrenheit (°F))	decay/decompose/decomposition (degradación/descomponer/descomposición)	decay/decompose/decomposition (degradación/descomponer/descomposición)
hair (pelo)	food chain (cadena alimenticia)	environment (medio ambiente/entorno)	float (flotar)	decomposer/detritivore (descomponedor/detritivoro)	decomposer/detritivore (descomponedor/detritívoros)
head (cabeza)	force (fuerza)	fall/autumn (otoño)	flood (inundación)	defense/protection (defensa/protección)	delta (delta)
heat/heating (calor/calentar)	freeze/freezing (congelar/congelación)	flexibility (flexibilidad)	flower (flor)	delta (delta)	dense/density (denso/densidad)
heavy/heavier (pesado/más pesado)	fruit (fruta)	flow of energy (flujo de energía)	food chain (cadena alimentaria)	deposition (deposición)	deposition (deposición)
hot (caliente)	habitat (hábitat)	flower (flor)	force (fuerza)	dissolve/dissolution (disolver/disolución)	dissolve/dissolution (disolver/disolución)

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in front of (en frente de)	heat/heating (calor/calentamiento)	food (alimento)	friction (fricción)	ecosystem (ecosistema)	ecosystem (ecosistema)
lake (lago)	heavy/heavier (pesado/más pesado)	food chain (cadena alimentaria)	fruit (fruta)	egg (huevo)	electric current (corriente eléctrica)
leaf shape (forma de la hoja)	hot (caliente)	force (fuerza)	function (función)	electric current (corriente eléctrica)	electrical energy (energía eléctrica)
leaf/leaves (hojas)	icy (cubierto de hielo)	freeze/freezing (congelamiento/congelación)	gravity (gravedad)	electrical energy (energía eléctrica)	electricity (electricidad)
life cycle (ciclo de la vida)	lake (lago)	freshwater (agua dulce)	heat/heating (calor/calentar)	electricity (electricidad)	energy (energía)
light (luz)	leaf/leaves (hoja/hojas)	fruit (fruta)	ingredient (ingrediente)	energy (energía)	environment (medio ambiente)
light/lighter (liviano/más liviano)	life cycle (ciclo de la vida)	graph (gráfica)	inner planet (planeta interior)	environment (medio ambiente/entorno)	equator (línea ecuatorial)
limb (miembro externo)	light energy (energía luminosa)	habitat (hábitat)	landslide (deslizamiento de tierra)	erosion (erosión)	erosion (erosión)
living (vivo)	light/lighter (liviano/más liviano)	hail (granizo)	larva (larva)	evaporation (evaporación)	evaporation (evaporación)
location (ubicación)	living (seres vivos)	heat/heating (calor/calentamiento)	life cycle (ciclo de la vida)	flow of energy (flujo de energía)	flow (flujo)
magnet (imán)	location (ubicación)	hibernation (hibernación)	light energy (energía lumínica)	food web (red alimentaria)	flow of energy (flujo de energía)
material (material)	magnet (imán)	increase/increasing (incrementar)	magnetism (magnetismo)	force (fuerza)	food chain (cadena alimenticia)
melt/melting (derretir/derretimiento)	material (material)	larva (larva)	mass (masa)	forecast (pronóstico)	food web (red alimenticia)
motion/move/movement (moción/mover/movimiento)	melt/melting (derretir/derretimiento)	leaf shape (forma de la hoja)	matter (materia)	friction (fricción)	force (fuerza)
mouth (boca)	motion/move/movement (moción/mover/movimiento)	leaf/leaves (hoja/hojas)	mechanical energy (energía mecánica)	function (función)	fossil (fósil)
nature/natural (natural)	nature/natural (natural)	length (longitud)	metamorphosis (metamorfosis)	genetics/heredity (genética/herencia)	fossil fuel (combustible fósil)

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non-living (seres inertes (no vivos))	non-living (seres inertes (no vivos))	life cycle (ciclo de la vida/ciclo vital)	mixture (mezcla)	germinate/germination (germinar/germinación)	freeze/freezing (congelar/congelación)
nutrients (nutrientes)	ocean (océano)	light (luz)	model (modelo)	glacier (glaciar)	friction (fricción)
ocean (océano)	offspring (descendientes)	light energy (energía luminosa)	motion/move/movement (movimiento/mover)	gravel (grava)	function (función)
offspring (descendencia (cría) )	organism (organismo)	loudness (ruidoso/ruido/volumen)	nature/natural (naturaleza/natural)	gravity (gravedad)	glacier (glaciar)
organism (organismo)	parent (padres (progenitores))	magnet (imán)	orbit (órbita)	grow/growth (crecer/crecimiento)	gravity (gravedad)
parent (padres (progenitores))	plant (planta)	material (material)	organism (organismo)	habitat (hábitat)	groundwater (agua subterránea)
pattern (patrón)	pond (estanque)	matter (materia)	outer planet (planeta exterior)	herbivore (herbívoro)	herbivore (herbívoro)
plant (planta)	precipitation (precipitación)	melt/melting (derretir/derretimiento)	perish (perecer)	humus (humus)	hibernation (hibernación)
pond (estanque)	product (producto)	migration (migración)	physical property (propiedad física)	inherited trait (rasgo heredado)	humidity (humedad)
property (propiedad)	property (propiedad)	motion/move/movement (moción/mover/movimiento)	planet (planeta)	insulate/insulator/insulation (aislar/aislador/aislamiento)	ingredient (ingrediente)
pull (tracción/halar)	pull (tracción/jalar)	nature/natural (naturaleza/natural)	population (población)	landform (accidentes geográficos)	inherited trait (rasgos heredados)
push (empujar)	push (empujar)	nutrients (nutrientes)	position (posición)	larva (larva)	instinct (instinto)
rainy (lluvioso)	rainy (lluvioso)	nymph (ninfa)	precipitation (precipitación)	learned behavior (comportamiento aprendido)	insulate/insulator/insulation (aislar/aislante/aislamiento)
resemble (semejanza/parecerse)	reproduce/reproduction (reproducir/reproducción)	organism (organismo)	producer (productor)	life cycle (ciclo de la vida/ciclo vital)	interaction (interacción)
river (río)	resemble (semejanza/parecerse)	overcast (nublado)	product (producto)	light energy (energía lumínica)	interdependence (interdependencia)

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rock (rocas)	river (río)	partly cloudy (parcialmente nublado)	pull (tracción/halar)	loam (marga)	landform (accidentes geográficos (terrenos))
roots (raíces )	rock (rocas)	pattern (patrón)	pupa (pupa)	lunar cycle (ciclo lunar)	learned behavior (comportamiento aprendido)
round and round (circular)	roots (raíces)	physical property (propiedad física)	push (empujar)	magnetism (magnetismo)	lens (lente)
scales (escamas)	round and round (circular )	plant (planta)	rain gauge (pluviómetro)	mass (masa)	light energy (energía lumínica)
seasons (estaciones)	seed (semilla)	precipitation (precipitación)	relationship (relación)	matter (materia)	living (seres vivos)
seed (semilla)	shape (forma)	producer (productor)	repel (repeler)	mechanical energy (energía mecánica)	magnetism (magnetismo)
seedling (brote/plántula)	shelter (refugio)	product (producto)	resource (recurso)	metamorphosis (metamorfosis)	mass (masa)
senses (sentidos)	size (tamaño )	property (propiedad)	revolve/revolution (revolver/revolución)	meteorologist (meteorólogo)	matter (materia)
shape (forma)	sky (cielo)	pull (tracción/halar)	rock (roca)	mimicry (mimetismo)	mechanical energy (energía mecánica)
shelter (refugio)	smaller (pequeño/más pequeño)	pupa (pupa)	rotate/rotation (rotar/rotación)	mixture (mezcla)	medium (medio)
size (tamaño )	soil (tierra)	push (empuje)	seed (semilla)	motion/move/movement (moción/mover/movimiento)	melt/melting (derretir/derretimiento)
skin (piel)	sound energy (energía del sonido)	rain (lluvia)	seedling (plántula)	natural gas (gas natural)	migration (migración)
sky (cielo)	spring (primavera)	rain gauge (pluviómetro)	sink (hundir)	non-renewable resource (recurso no renovable)	mimicry (mimetismo)
smaller (más pequeño)	star (estrella)	recycle/recycling (reciclar/reciclaje)	soil (suelo)	nutrients (nutrientes)	mirror (espejo)
snowy (nieve)	stem (tallo)	resource (recurso)	solar system (sistema solar)	nymph (ninfa)	mixture (mezcla)
soil (suelo)	straight line (línea recta)	rock (roca)	sound energy (energía sonora)	offspring (descendencia)	model (modelo)

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sound energy (sonido)	stream (arroyo)	roll/rolling (rodar)	species (especies)	omnivore (omnívoro)	motion/move/movement (mover/moverse/movimiento)
spring (primavera)	summer (verano)	roots (raíces)	stage (etapa )	open circuit (circuito abierto)	needs (necesidades)
star (estrella)	temperature (temperatura)	saltwater (agua salada)	star (estrella)	orbit (órbita)	niche (nicho)
stem (tallo)	terrarium (terrario)	sanding (lijado)	state of matter (estado de la materia)	organism (organismo)	non-living (seres inertes (no vivos))
straight line (línea recta)	texture (textura)	seasons (estaciones)	structure (estructura)	parent (padre)	ocean (océano)
stream (arroyo)	thermal/heat energy (energía térmica)	seed (semilla)	survive/survival (sobrevivir/supervivencia)	particle (partícula)	offspring (descendencia (progenie))
summer (verano)	transfer (transferencia)	shape (forma)	temperature (temperatura)	path (ruta )	omnivore (omnívoro)
sunlight (luz de sol)	up and down (arriba y abajo)	shelter (refugio)	thermal/heat energy (energía térmica)	pattern (patrón)	open circuit (circuito abierto)
sunny (soleado)	useful (útil)	size (Talla)	thrive (prosperar)	petroleum/oil (petróleo)	orbit (órbita)
survive/survival (sobrevivir/supervivencia)	water (agua)	sleet (aguanieve)	volcano (volcán)	photosynthesis (fotosíntesis)	organism (organismo)
tail (cola)	weather (clima)	slide/sliding (deslizamiento/deslizamiento)	water vapor (vapor de agua)	physical property (propiedad física)	overpopulation (sobrepoblación)
temperature (temperatura)	wind (viento)	snow (nieve)	weather (clima)	plant (planta)	parallel circuit (circuito en paralelo)
texture (textura)	winter (invierno)	sound energy (energia de sonido)	weathering (meteorización)	population (población)	parent (padres (progenitores))
thermal/heat energy (energía térmica)	year (año)	spinning (girar/hilado)	wind (viento/ventoso)	position (posición)	physical change (cambio físico)
up and down (arriba y abajo)	young (joven)	spring (primavera)	wind direction (dirección del viento)	precipitation (precipitación)	physical property (propiedad física)
useful (útil)	zigzag (zigzag)	stage (etapa )	wind vane (veleta de viento)	predator/prey (depredador/presa)	population (población)

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above (por encima)		star (estrella)		producer (productor)	precipitation (precipitación)
basic need (necesidad básica)		state of matter (Estado de la materia)		pull (tracción/halar)	predator/prey (depredador/presa)
beside (al lado)		stem (provenir)		pupa (pupa)	pressure (presión)
bigger/larger (más grande)		summer (verano)		push (empujar)	prism (prisma)
body covering (cubierta corporal)		survive/survival (sobrevivir/supervivencia)		radiant/solar energy (energía solar)	producer (productor)
characteristic (característica)		temperature (la temperatura)		rain gauge (pluviómetro)	property (propiedad)
cold (frío)		texture (textura)		recycle/recycling (reciclaje/reciclar)	pull (tracción/halar)
fin (aleta)		thermal/heat energy (energía térmica)		renewable resource (recurso renovable)	push (empujar)
flower (flor)		transfer (transferir)		retain (retener)	radiant/solar energy (sombra)
warm (cálido)		transportation (transportación)		revolve/revolution (revolver/revolución)	reflection (energía solar)
water (agua)		useful (útil)		rock (roca)	refraction (reflexión)
weather (tiempo)		vibration (vibración)		rotate/rotation (rotar/rotación)	revolve/revolution (refracción)
wind (viento)		water (agua)		runoff (escorrentía)	role (girar/traslación)
wing (ala)		weather (clima)		sand (arena)	rotate/rotation (rol (función))
winter (invierno)		wind (viento)		seasons (estaciones)	sand dune (rotar/rotación)
young (joven)		wind condition (condición del viento)		sediment (sedimento)	satellite (dunas de arena)
zigzag (zigzag)		wind direction (dirección del viento)		seedling (plántula)	sediment (satélite)
		wind vane (Veleta de viento)		separate (separar)	sedimentary rock (sedimento)

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		windsock (manga de viento)		sequence (secuencia)	series circuit (rocas sedimentarias)
		winter (invierno)		shadow (sombra)	shadow (circuito en serie)
				silt (limo)	soluble/solubility (soluble/solubilidad)
				soil (suelo)	solution (solución)
				solution (solución)	sound energy (energía sonora)
				sound energy (energía sonora)	species (especies)
				state of matter (estado de la materia)	state of matter (estado de la materia)
				structure (estructura)	structural adaptation (adaptación estructural)
				survive/survival (sobrevivir/supervivencia)	structure (estructura)
				switch (interruptor)	substance (sustancia)
				temperature (temperatura)	sunrise/sunset (salida del Sol/puesta del Sol)
				texture (textura)	survive/survival (sobrevivir/sobrevivencia)
				thermal/heat energy (energía térmica)	switch (interruptor)
				topsoil (capa superficial del suelo)	temperature (temperatura)
				volume (volumen)	texture (textura)
				water (agua)	thaw/thawing (deshielo)
				water cycle (ciclo del agua)	thermal/heat energy (energía térmica)
				weather (clima)	tilt (inclinación)
				weather map (mapa meteorológico)	transfer (transferencia)



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weathering (meteorización)

wind direction (dirección del viento)

wind speed (velocidad del viento)

wind vane (veleta de viento)

windsock (manga de viento)

transmit/transmission  
(transmitir/transmisión)

valley (valle)

volume (volumen)

water cycle (ciclo del agua)

water vapor (vapor de agua)

weather (tiempo)

weathering (meteorización)

weight (peso)

wind direction (dirección del viento)

wind speed (velocidad del viento)

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6th Grade	7th Grade	8th Grade	Biology	Chemistry	Physics
abiotic	abiotic	abiotic	10% Energy Rule	acid	0th law of thermodynamics
acceleration	adapt/adaptation	absolute magnitude	abiotic	acid-base reaction	2nd law of thermodynamics
Animalia	allele	abundance	activation energy	adhesion	3rd law of thermodynamics
Archaea/archaeobacteria	ancestor	acceleration	active transport	agitation	absorption spectrum
asexual reproduction	aquifer	acceleration due to gravity	adapt/adaptation	alkali earth metal	acceleration
asteroid	asexual reproduction	adapt/adaptation	allele	alkali metal	acceleration-time graph
asthenosphere	atmosphere	air mass	amino acid	alkaline	ammeter
atmosphere	autotroph	apparent magnitude	anaerobic cellular respiration	alpha particle	amplitude
autotroph	behavior	applied force	anatomical homology	aqueous (aq)	angular velocity
average speed	biodiversity	artificial reef	ancestor	Arrhenius acid/base	antinode
bacteria	biological weathering	asthenosphere	animal cell	atom	applied force
Bacteria (kingdom)	biome	atmosphere	Animalia	atomic mass	average speed
balanced force	biotic	atom	antibiotic	atomic number	average velocity
biofuels	blood vessel	atomic mass	anticodon	atomic radius	balanced force
biomass	carbon dioxide	atomic number	aquatic/marine	Aufbau principle	centripetal acceleration
biotic	catastrophic event	average speed	Archaea/archaeobacteria	average atomic mass (amu)	chemical energy

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brittle	cell	axis	artificial selection	Avogadro's law	circuit
carbon	cell membrane	balanced force	asexual reproduction	Avogadro's number	closed/complete circuit
cell	cell wall	Big Bang theory	atmospheric nitrogen	balanced chemical equation	concave lens
cementation	characteristic	biodiversity	atom	base	conduction/conduct
chemical change	chemical change	biotic	ATP	beta particle	conductor
chemical energy	chemical digestion	Bohr model	autotroph	Bohr model	constant
chemical formula	chemical energy	brightness/luminosity	bacteria	boiling point	constant velocity
chemical property	chemical weathering	camouflage	Bacteria (kingdom)	Boyle's Law	constructive/positive interference
chemical reaction	chlorophyll	canyon	bacteriophage	Brønsted-Lowry acid/base	convection
chemical symbol	chloroplast	carnivore	benign	calorimetry	convex lens
comet	chromosome	celestial body	biogeography	capillary action	Coulomb's constant
community	circulatory system	chemical change	biomass	catalyst	Coulomb's law
compaction	classify/classification	chemical formula	biomolecule/macromolecule	cathode ray	crest
composition	climate	chemical property	biotic	Charles' law	destructive/negative interference
compositional layers	climax community	chemical reaction	cancer/tumor	chemical change	diffraction

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compound	composition	chemical symbol	capsid	chemical energy	displacement
conduction/conduct	compound	climate	carbohydrate	chemical formula	distance
conductivity	consumer	coefficient	carbon	chemical property	Doppler effect
conservation/conserve	cytoplasm	cold front	carbon cycle	chemical reaction	elastic collision
constant speed	decomposer/detritivore	compete/competition	carbon dioxide	cohesion	electric current
convection	deposition	composition	carbon fixation	combustion reaction	electric field
convergent boundary	descend/descendant/descent	compound	carnivore	composition	electric motor
crust	dichotomous key/identification key	conduction/conduct	catalyst	compound	electric/electrostatic force
dense/density	digestive system	constant speed	cell	conduction/conduct	electrical charge
deposition	diversity/diverse	constant velocity	cell cycle	conductivity	electromagnetic force
displacement	DNA (deoxyribonucleic acid)	Continental Drift theory	cell differentiation	conductor	electromagnetic radiation
distance	dominant	contour interval	cell membrane	convection	electromagnetic spectrum
divergent boundary	dormancy	convection current	cell wall	covalent bond	emission spectrum
ductile/ductility	drought	convergent boundary	cellular respiration (aerobic)	Dalton's law of partial pressure	energy
earthquake	earthquake	Coriolis effect	centriole	decomposition reaction	energy conversion/transformation
ecosystem	ecological succession	crater	characteristic	dense/density	fission

# The Visual Non-Glossary



## Secondary Science

6th Grade	7th Grade	8th Grade	Biology	Chemistry	Physics
electric current	ecosystem	crust	chloroplast	dilute/dilution	focal length
electrical energy	endocrine system	depend/dependent/dependence	chromatid	dissolve/dissolution	focus/focal point
element	energy conversion/transformation	deposition	chromosomal mutation	double-replacement reaction	force
elliptical orbit	energy pyramid	displacement	chromosome	ductile/ductility	frame of reference
energy conversion/transformation	environment	dissolve/dissolution	circulatory system	electrical charge	free-body force diagram
equilibrium	erosion	distance	cladogram	electrolyte	frequency
erosion	evaporation	divergent boundary	classify/classification	electromagnetic radiation	friction
eukaryote	excretion	earthquake	climax community	electromagnetic spectrum	frictionless
force	excretory system	eclipse	codominance	electron	fusion
Fungi	external	ecosystem	codon	electron configuration	gamma ray
geothermal	feature	El Niño	commensalism	electron orbital (s,p,d,f)	generator
gravity	feedback loop/mechanism	electrical charge	community	electronegativity	gravitational constant
hardness	flood	electromagnetic radiation	compete/competition	element	gravitational force
heterotroph	flow of energy	electromagnetic spectrum	concentration gradient	empirical formula	gravity
hydropower	food chain	electron	consumer	endothermic	Hooke's law

# The Visual Non-Glossary



## Secondary Science

6th Grade	7th Grade	8th Grade	Biology	Chemistry	Physics
igneous rock	food web	electron cloud	crossing over	energy	impulse
inclined plane	force	element	cuticle	energy level	inelastic collision
inner core	function	elevation	cytoplasm	enthalpy (H)	inertia
kinetic energy	gene	energy level	daughter cell	exothermic	instantaneous velocity
lava	generation	environment	decomposer/detrivore	extensive property	insulate/insulator/insulation
Law of Conservation of Energy/1st law of thermodynamics	genetics/heredity	equator	defense/protection	family/group (Periodic Table)	inverse-square law
light energy	genotype	equinox	dehydration synthesis	fission	kinetic energy
lithosphere	geotropism	erosion	deoxyribose sugar	formula mass	Law of Action-Reaction
luster	glucose	extinct/extinction	descend/descendant/descent	frequency	law of conservation of energy/1st law of thermodynamics
magma	groundwater	family/group (Periodic Table)	developmental homology	fusion	law of conservation of momentum
magnetism	habitat	fault	dichotomous key/identification key	gamma ray	Law of Force and Acceleration
malleability/malleable	heterotroph	feature	diffusion	Gay-Lussac's law	Law of Inertia
mantle	heterozygous	fertilizer	digestive system	gold-foil experiment	lens
mass	hibernation	force	dihybrid cross	half-life	light wave
mechanical energy	homeostasis	fossil	diploid	halogen	longitudinal wave
mechanical layers	homozygous	frequency	diversity/diverse	heterogeneous	magnet

# The Visual Non-Glossary



## Secondary Science

6th Grade	7th Grade	8th Grade	Biology	Chemistry	Physics
metal	hurricane	friction	DNA (deoxyribonucleic acid)	homogeneous	magnetic field
metalloid	integumentary system	frictionless	DNA replication	Hund's rule	magnetic force
metamorphic rock	internal/interior	galaxy	DNA virus	hydrogen bond	magnetism
meteor	landform	gravity	dominant	hydrogen ion (H <sup>+</sup> )	magnitude
mid-ocean ridge	landslide	hemisphere	double helix	hydroxide ion (OH <sup>-</sup> )	mass-energy equivalence
mineral	limiting factor	herbivore	dynamic equilibrium	ideal gas law	mechanical energy
Moh's Scale of Hardness	matter	Hertzprung-Russell diagram	ecological succession	intensive property	medium
motion/move/movement	mechanical digestion	host	ecosystem	ion	microwave
multicellular nonmetal	mechanical weathering metabolism/metabolic activity	humidity hurricane	endocrine system endoplasmic reticulum (ER)	ionic bond ionization	momentum (p) motion/move/movement
non-renewable resource	migration	inertia	energy conversion/transformation	ionization energy	net force
nuclear power	mitochondria/mitochondrion	jet stream	energy pyramid	isotope	Newton (N)
nucleus (cellular)	molecule	La Niña	environment	joule (J)	node
ocean basin	motion/move/movement	landform	environmental factor	Kelvin (K)	normal force
orbit	muscular system	Law of Action-Reaction	enzyme	kinetic energy	nuclear force
organism	mutation	Law of Conservation of Mass	enzyme inhibitor	kinetic molecular theory	nuclear stability

# The Visual Non-Glossary



## Secondary Science

6th Grade	7th Grade	8th Grade	Biology	Chemistry	Physics
outer core	natural selection	Law of Force and Acceleration	eukaryote	Law of Conservation of Energy/1st law of thermodynamics	Ohm's law
physical property	nervous system	Law of Inertia	evolution	law of conservation of mass	one-dimensional
planet	niche	light wave	excretory system	law of definite proportions	open circuit
Plantae	nucleus (cellular)	lithosphere	fatty acid	law of multiple proportions	parallel circuit
population	offspring	long-term environmental change	feedback loop/mechanism	Lewis dot structure	pendulum
position	organ	lunar cycle	flow of energy	limiting reactant/reagent	period (physics)
potential energy	organ system	magma	flow of matter	luster	photoelectric effect
precipitate	organelle	mass	food chain	magnetism	polarization
pressure	organism	mass number	food web	main group	position
prokaryote	oxygen	metal	fossil	malleability/malleable	position-time graph
protist/Protista	percolate	metalloid	Fungi	mass	potential energy
pure substance	phenotype	mid-ocean ridge	gamete/sex cell	mass number	power
radiation	phloem	model	gene	melting point	proportional
renewable resource	photosynthesis	molecule	gene expression	metal	quantum
resource	phototropism	motion/move/movement	gene flow	metallic bond	radiation
revolve/revolution	physical change	mountain range/chain	gene frequency	metalloid	radio wave
rock cycle	pioneer species	neap tide	genetic code	mixture	real image
rotate/rotation	pollution	net force	genetic drift	molar mass	reflection



# The Visual Non-Glossary



## Secondary Science

6th Grade	7th Grade	8th Grade	Biology	Chemistry	Physics
seafloor spreading	precipitation	neutron	genetic material	molar ratio	refraction
sediment	primary succession	Newton (N)	genome	molarity	resistance (electrical)
sedimentary rock	producer	niche	genotype	mole	resistor
sexual reproduction	proximity	noble gas	genus	molecule	resonance
solar power	purebred	nonmetal	geotropism	net ionic equation	scalar
species	radiant/solar energy	nucleus (atomic)	glucose	neutralization reaction	series circuit
speed	recessive	nutrients	Golgi body/apparatus	neutron	sound wave
state of matter	reproductive system	ocean tide	guard cell	noble gas	speed
streak	respiratory system	omnivore	habitat	nonelectrolyte	standing wave
subscript	response	orbit	haploid	nonmetal	system
substance	secondary succession	organism	herbivore	nuclear equation	tangential velocity
tectonic plates	sediment	parasitism/parasite	heterotroph	nucleus (atomic)	thermal/heat energy
temperature	seedling	particle	heterozygous	octet rule	transformer
thermal/heat energy	selective breeding	pattern	homeostasis	orbital diagram	transverse wave
transfer	sexual reproduction	period (Periodic Table)	homologous chromosome	oxidation number	trough
transform boundary	skeletal system	Periodic Table of the Elements	homology	oxidation-reduction reaction	two-dimensional
unbalanced force	species	phase	homozygous	particle	unbalanced force
unicellular	stability/stable	photosynthesis	host	Pauli exclusion principle	universal gravitation
volcano	stimulus/stimuli	physical change	hydrogen bond	percent composition	vector

# The Visual Non-Glossary



## Secondary Science

6th Grade	7th Grade	8th Grade	Biology	Chemistry	Physics
volume	structure	physical property	hydrophilic	percent yield	velocity
weathering	surface water	planet	hydrophobic	period (Periodic Table)	velocity-time graph
	sustainability	population	immune cells	periodic law	virtual image
	terrestrial	precipitate	immune system	Periodic Table of the Elements	voltage
	thermal/heat energy	predator/prey	impact	pH	voltmeter
	thigmotropism	pressure	incomplete dominance	physical change	wave speed
	tissue	pressure system	infect	physical property	wavelength
	tornado	prevailing winds	inherited trait	pOH	wave-particle duality
	trait	product	integumentary system	polarity	work
	transfer	property	interaction	polyatomic ion	work-energy theorem
	trophic level	proton	interphase	potential energy	x-ray
	tsunami	radiant/solar energy	invasive species	precipitate	
	vacuole	radiation	isolation	precipitation reaction	
	variation	radio wave	law of independent assortment	pressure	
	volcano	reactant	law of segregation	product	
	vomiting	reactivity/reactive	lipid	proportional	
	water table	relationship	lysogenic cycle	proton	
	watershed	resource	lysosome	pure substance	
	wildfire	revolve/revolution	lytic cycle	quantum	
	wilting	rift	malignant	radiation	
	xylem	rotate/rotation	meiosis	radioactive decay	
		runoff	mesophyll cell	reactant	
		satellite	microorganism	reactivity/reactive	
		seasons	mimicry	saturated solution	
		sediment	mitochondria/mitochondrion	single-replacement reaction	
		sequence	mitosis	soluble/solubility	

# The Visual Non-Glossary



## Secondary Science

6th Grade	7th Grade	8th Grade	Biology	Chemistry	Physics
		short-term environmental change solstice solution species spectral class speed  spring tide star star evolution storm system subduction zone subscript substance surface temperature tectonic plates temperature range thermal/heat energy tilt tolerance (ecological) topographic map trait transform boundary transition metal trench unbalanced force valence electron valley velocity volcanic island arc warm front wavelength weather map weathering yield	molecular homology  molecule monohybrid cross monomer mortality rate mRNA  muscular system mutation mutualism native natural disaster/hazard natural selection nervous system nitrogen cycle nitrogen fixation nitrogenous base nondisjunction non-Mendelian non-random mating nucleic acid nucleotide nucleus (cellular) nutrient absorption offspring omnivore organ organ system organelle organism osmosis oxygen parasitism/parasite passive transport pathogen phase	solute  solution solvent specific heat (cp) spin standard temperature and pressure (STP) state of matter subatomic particle subscript substance supersaturated solution surface area surface tension synthesis reaction thermal/heat energy titration toxicity transfer transition metal unsaturated solution valence electron viscosity volume VSEPR theory wavelength yield	

# The Visual Non-Glossary



## Secondary Science

6th Grade

7th Grade

8th Grade

Biology

Chemistry

Physics

phenotype  
phloem  
phosphate  
phospholipid  
photosynthesis  
phototropism  
phylogenetic  
plant cell  
Plantae  
polymer  
polypeptide  
population  
predation  
predator/prey  
primary consumer  
primary succession  
probability  
producer  
product  
prokaryote  
protein  
protist/Protista  
radiant/solar energy  
reactant  
recessive  
recombination  
regulation  
reproduce/reproduction  
reproductive success  
reproductive system  
resistance (biological)  
resource  
respiratory system  
response  
ribosome  
RNA (ribonucleic acid)  
RNA virus/retrovirus

# The Visual Non-Glossary



## Secondary Science

6th Grade

7th Grade

8th Grade

Biology

Chemistry

Physics

roots  
secondary consumer  
secondary succession  
semi-permeable  
sequence  
shoot system  
skeletal system  
somatic cell  
species  
spindle fiber  
stability/stable  
stasis  
stem  
stimulus/stimuli  
stoma/stomata  
substrate  
survive/survival  
symbiosis/symbiotic  
relationship  
synthesis  
taxon/taxa/taxonomic group  
  
terrestrial  
tertiary consumer  
thigmotropism  
tissue  
trait  
transcription  
translation  
transpiration  
transport  
tRNA  
trophic level  
uracil  
vaccine  
vacuole  
variation

# The Visual Non-Glossary



## Secondary Science

6th Grade

7th Grade

8th Grade

Biology

Chemistry

Physics

vasculature  
vesicle  
vestigial structure  
virus  
xylem

# The Visual Non-Glossary



## Secondary Social Studies

6th Grade (World Cultures)	7th Grade (Texas History)	8th Grade (US History 1450-1877)	HS US History (1877-present)
agriculture/agricultural	adobe	abolish/abolition/abolitionist	19th Amendment
archipelago	aquifer	agriculture/agricultural	American Expeditionary Forces
authoritarian	basin	Alien and Sedition Acts	annex/annexation
biodiversity	Battle of Medina	amendment	assassination of Franz Ferdinand
capitalism/free market/free enterprise	Catholic missions	American Anti-Slavery Society	assimilation
cash crop	Centralists	annex/annexation	attack on Pearl Harbor
checks and balances	conquistador	appoint/appointment	Battle of Little Bighorn
civil war	Constitution of 1824	Appomattox Court House Surrender	Battle of Midway
colonialism/colony	empresario	Articles of Confederation	Brown v. Board of Education
constitution	escarpment	Bank of the United States	Chinese Exclusion Act
constitutional monarchy	Federalists	Battle of Antietam	Civil Rights Act of 1964
cultural diffusion	filibuster	Battle of Fort Sumter	concentration camps
culture traits	Fredonian Rebellion	Battle of Gettysburg	Congress of Racial Equality (CORE)
deforestation	French exploration	Battle of Saratoga	Dawes Act
democracy	Gulf peoples	Battle of Vicksburg	direct election
desert	Law of April 6, 1830	Battle of Yorktown	Dust Bowl
developed economy	Long Expedition	Battles of Lexington and Concord	entrepreneur
developing economy	Mexican independence	bicameral	Espionage and Sedition Acts
diverse/diversity	Mier y Terán report	Bill of Rights	extermination camps
drought	Mission San Juan Bautista	black codes	First Great Migration
entrepreneur	Nacogdoches	Boston Tea Party	GI Bill (Servicemen's Readjustment Act of 1944)
executive branch	nomad/nomadic	boycott	Great Depression
factors of production	Old Three Hundred	California Gold Rush	Holocaust
flood	Plains peoples	cash crop	homesteader
GDP per capita	presidio	central/federal/national government	immigration/immigrants
globalization	Puebloan peoples	checks and balances	imperialism
gross domestic product (GDP)	Republican Army of the North	civil liberties	individualism/self-reliance
immigration/immigrants	San Antonio settlement	colonize/colonization	industrialists
judicial branch	San Francisco de los Tejas	colony/colonist	internment camps
legislative branch	Southeastern/Caddo peoples	Common Sense	Interstate Commerce Act
life expectancy	Spanish exploration	Compromise of 1850	intervention
limited government	State Colonization Law of 1825	Constitution	invasion of Normandy
literate/literacy	Tejano	Constitutional Convention	Jim Crow laws
migration	Turtle Bayou Resolutions	constitutional/unconstitutional	labor unions
monotheism/monotheistic	<b>*Note: more visuals are</b>	Continental Congress	laissez-faire

# The Visual Non-Glossary



## Secondary Social Studies

6th Grade (World Cultures)	7th Grade (Texas History)	8th Grade (US History 1450-1877)	HS US History (1877-present)
multicultural nomad/nomadic parliamentary government peninsula physical geography political geography population density rainforest  refugee rural slash-and-burn slavery theocracy unlimited government urban USSR <b>*Note: more visuals are continuously being added to this grade level. Continue to check back.</b> <i>Last updated 2/11/2023</i>	<b>continuously being added to this grade level. Continue to check back.</b> <i>Last updated 2/11/2023</i>	corrupt bargain cotton gin Daughters of Liberty Dawes Act Declaration of Independence Democratic-Republicans Dred Scott v. Sandford due process  election of 1824 Electoral College Emancipation Proclamation Embargo of 1807 Erie Canal European exploration executive branch federalism Federalist Papers Federalists/Anti-Federalists Fifteenth (15th) Amendment Fourteenth (14th) Amendment free enterprise system Freedmen's Bureau French and Indian War Fugitive Slave Act Fundamental Orders of Connecticut Gadsden Purchase Gettysburg Address Great Compromise Great Irish Famine Homestead Act House of Burgesses immigration/immigrants independence Indian Removal Act individualism/self-reliance	League of Nations Little Rock Crisis machine politics Manhattan Project March on Washington monopoly/trust muckrakers National Association for the Advancement of Colored People (NAACP)  National Parks Service nativist/nativism neutrality New Deal Niagara Movement Open Door policy Palmer Raids Panama Canal Plessy v. Ferguson Populist/People's Party private property Prohibition prosperity Pure Food and Drug Act Red Scare reform robber barons Roosevelt Corollary Selective Service Act settlement houses Sherman Antitrust Act sinking of the Lusitania Social Darwinism Social Security Act of 1935 Spanish-American War speculation Teapot Dome Scandal



# The Visual Non-Glossary



## Secondary Social Studies

6th Grade (World Cultures)

7th Grade (Texas History)

8th Grade (US History 1450-1877)

HS US History (1877-present)

Industrial Revolution  
industrialization  
interchangeable parts  
Intolerable Acts  
Jamestown  
judicial branch  
Kansas-Nebraska Act  
legislative branch/Congress  
limited government  
Lincoln's first inaugural address  
Louisiana Purchase  
Manifest Destiny  
Marbury v. Madison  
Mayflower Compact  
McCulloch v Maryland  
mercantilism/mercantilist  
Missouri Compromise  
Monroe Doctrine  
Morrill Act  
nativist/nativism  
New Jersey Plan  
Northwest Ordinance  
Nullification Crisis  
Oregon Trail  
Panic of 1837  
Parliament  
plantation  
Plymouth  
political parties  
popular sovereignty  
president/vice president  
Proclamation of 1763  
profit/profitability  
push/pull factor  
ratify/ratification  
reform  
religious freedom/tolerance

Treaty of Versailles  
trenches/trench warfare  
urbanization  
Voting Rights Act of 1965  
Wilson's Fourteen Points  
Wounded Knee Massacre  
Zimmermann telegram  
**\*Note: more visuals are continuously being added to this grade level. Continue to check back.**  
***Last updated 2/11/2023***

# The Visual Non-Glossary



## Secondary Social Studies

6th Grade (World Cultures)

7th Grade (Texas History)

8th Grade (US History 1450-1877)

HS US History (1877-present)

religious persecution  
representation  
resettlement/relocation  
secede/secession  
Second Great Awakening  
sectionalism  
Seneca Falls Convention  
sharecropping  
slavery  
slaves/enslaved populations  
Sons of Liberty  
Stamp Act  
states' rights  
Sugar Act  
tariff  
Tea Act  
telegraph  
temperance movement  
term  
territory  
Texas Revolution  
textile  
Thirteen (13) British colonies  
Thirteenth (13th) Amendment  
Three-Fifths Compromise  
trade/trading  
Trail of Tears  
transatlantic slave trade  
transcendentalism  
transcontinental railroad  
Treaty of Ghent  
Treaty of Guadalupe Hidalgo  
Treaty of Paris of 1783  
U.S.-Mexican War  
Uncle Tom's Cabin  
Underground Railroad  
Valley Forge

# The Visual Non-Glossary



Secondary Social Studies

6th Grade (World Cultures)

7th Grade (Texas History)

8th Grade (US History 1450-1877)

HS US History (1877-present)

veto

Virginia Plan

voting rights/suffrage

War of 1812

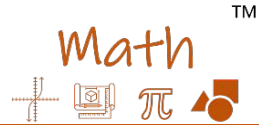
Washington's Farewell Address

Whiskey Rebellion

women's rights movement

Worcester v. Georgia

# The Visual Non-Glossary



## Algebra I

association/correlation	like terms	slope
asymptote	linear equation	slope-intercept form
axis/line of symmetry	linear function/relationship	solution
binomial	linear inequality	square root
causation	maximum	standard form (linear)
coefficient	minimum	standard form (quadratic)
complete the square	monomial	steep
constant	no real solution	strength of correlation
correlation coefficient	opposite reciprocal	system of equations
degree (polynomial)	parabola	term
distributive property	parallel	transformation
domain	parent function	translation
equation	perfect square	trinomial
exponent/power	perfect square trinomial	undefined
exponential decay	perpendicular	vertex
exponential function	point-slope form	vertex form (of a quadratic function)
exponential growth	polynomial	vertical
factor	quadratic equation	vertical shift
function	quadratic formula	vertical stretch/compression
function notation	quadratic function	x-axis
greatest common factor	radical	x-intercept
horizontal	range	y-axis
horizontal shift	rate of change	y-intercept
horizontal stretch/compression	reflection	zeros
inequality	scatterplot	