



CONCEPTS IN NEWS

January 2025



Keyword	Official Definition	Easy Explanation
Circular Economy	An economic model focused on minimizing waste	An economy designed to reuse
	and promoting the reuse of resources.	and recycle materials to reduce
		waste.
Carbon	The long-term storage of carbon dioxide or other	Capturing carbon from the
Sequestration	forms of carbon to mitigate climate change.	atmosphere to combat global
		warming.
Stratospheric	The deliberate introduction of particles into the	Injecting particles high up in the
Aerosol Injection	stratosphere to reflect sunlight and cool the Earth.	atmosphere to help cool the
		planet.
Algal Bloom	A rapid increase in the population of algae in	Rapid growth of algae in water,
	water systems, often due to excessive nutrients.	usually caused by too much
		pollution.
Plastic Pyrolysis	A method of converting plastic waste into usable	Turning plastic waste into fuel or
Technology	products like fuel through thermal decomposition.	other products by heating it.
Green Cover	The evaluation of the financial and ecological	Calculating the value of green
Accounting	value of vegetative land cover.	spaces like forests and parks.









Multi-Decadal	Long-term cycles of climatic changes affecting	Long-term natural climate
Oscillations	temperature and weather patterns over decades.	changes that occur over several
Oscillations	temperature and weather patterns over decades.	decades.
Creenweehing	Dreatices that servey a false impression or	
Greenwashing	Practices that convey a false impression or	Companies pretending to be
	provide misleading information about how a	environmentally friendly when
	company's products are more environmentally	they are not.
	sound.	
Ecological	The integrated and localized knowledge about	The wisdom and understanding
Knowledge Systems	ecosystems and their components, typically	of natural systems, often held by
	passed down through generations among	native cultures.
	indigenous peoples.	
Decarbonization	Legal actions initiated to force companies or	Suing entities to make them cut
Litigation	governments to reduce their carbon dioxide	down on their carbon emissions.
	emissions.	
Climate Litigation	Legal cases focusing on issues related to climate	Lawsuits related to the effects
	change, including its causes and impacts.	and responsibilities regarding
		climate change.
State of Charge	Standards that dictate the optimal charge levels	Rules defining how much
(SOC) Regulations	for batteries to ensure safety and efficiency.	batteries can be charged to
		maximize safety and lifespan.
Polar Vortex	Events where the usual wind patterns in the polar	Disruptions in the polar wind
Disruption	regions are disturbed, potentially leading to	patterns causing unusual
	extreme weather in mid-latitude regions.	weather elsewhere.
Algal Bloom	Rapid increase in algae in water systems, often	Quick growth of algae in water
Proliferation	due to excessive nutrients, leading to	bodies, typically caused by too
	environmental concerns.	many nutrients.
Phthalate	The breakdown of phthalates (chemical additives	Natural decomposition of
Biodegradation	in plastics) through natural biological processes.	chemicals used to make plastics
		more flexible.
Flood Risk	The increase in the frequency and severity of	Rising chances and impacts of
Amplification	flood events, often linked to climate change.	flooding, typically due to climate
		changes.
Seismic	The subdivision of a region into smaller zones	Mapping areas based on
Microzonation	which differ in the potential hazards associated	varying earthquake risks within
	with earthquakes.	a region.
Permafrost Thawing	The process of frozen soil and rock in polar	When the permanently frozen
	regions becoming unfrozen.	ground in cold places melts.
Environmental Flow	The water regime provided within a river, wetland	Allocating water in nature to
	or coastal zone to maintain ecosystems and their	keep ecosystems healthy.
	benefits.	, ,,











Science and Technology

Keyword	Official Definition	Easy Explanation
Cryo-Desiccation	A preservation method that involves freezing and	Preserving materials by
	then slowly removing water under vacuum.	freezing and drying them out.
Lipase Inhibitors	Compounds that prevent the function of lipases,	Substances that stop enzymes
	enzymes that break down fats.	from breaking down fats.
Hypersonic	Weapons capable of traveling at speeds greater	Extremely fast weapons that
Weapons	than five times the speed of sound.	travel much faster than sound.
Sarcopenic	The coexistence of sarcopenia (loss of muscle	Having both significant muscle
Obesity	mass) and obesity in an individual.	loss and obesity.
Quantum	The point where quantum computers can perform	When quantum computers can
Supremacy	tasks that are impractical for classical computers.	solve problems that traditional
		computers cannot handle.
Blockchain	The application of blockchain technology to enhance	Using blockchain to make
Electoral Integrity	the transparency and security of electoral	voting more secure and
	processes.	transparent.
Seismic	The division of a region based on varying responses	Dividing an area based on how
Microzonation	to earthquakes.	differently parts might react
		during earthquakes.
MicroRNA Gene	The process by which microRNAs control the	How small RNA molecules
Regulation	expression of genes at the post-transcriptional level,	regulate gene activity after
	impacting various biological functions.	transcription.
Bursal Involution	The regression or shrinkage of the bursa, a	The shrinking of a specific
	lymphoid organ in birds, typically due to aging or	immune organ in birds often
	stress, affecting immune responses.	caused by stress or age.
Cryo-Desiccation	A preservation technique that involves freezing a	Freezing and then drying a
	substance and then removing the moisture under	substance for long-term
	vacuum, commonly used in food preservation and	storage.
	pharmaceuticals.	
Lithium-Ion Battery	The dynamics of how fires start and spread in	Understanding how fires can
Fire Kinetics	lithium-ion batteries, which can be critical for safety	occur and spread within lithium-
	assessments and design improvements.	ion batteries.
Retinal Cell	A form of treatment aiming to replace or repair	Treatment techniques to repair
Therapy	damaged retinal cells using various forms of stem	or replace damaged cells in the
	cells or cell derivatives, which can potentially restore	retina to improve sight.
	vision.	









Gene Expression	The process of inhibiting gene expression to prevent	Methods to stop specific genes
Silencing	the synthesis of proteins that may be harmful or	from making proteins.
	unnecessary, used in genetic research and therapy.	
Gene Cloning	The process of creating copies of certain genes or	Making exact copies of specific
	DNA segments to study genetic elements, produce	genes for research or
	proteins, or for other research purposes.	therapeutic use.
Molecular	The use of engineered or naturally occurring	Using microbes to clean up
Bioremediation	microbes to break down pollutants and	environmental pollutants.
	contaminants in the environment.	
Bioinformatics	The field that combines biology, computer science,	Using computers to understand
	and information technology to analyze and interpret	and analyze biological data.
	biological data, especially large datasets.	
Plastic Pyrolysis	The process of decomposing plastic waste into	Turning plastic waste into fuel
Technology	smaller, usable hydrocarbon products like fuel, using	or other chemicals through
	high temperatures in the absence of oxygen.	high-temperature processing.
Cryogenic Engines	Engines that use extremely cold substances to	Engines that run on very cold
	produce rocket thrust.	fuel, used in rockets.
Hyperspectral	Satellites equipped with imaging systems that	Satellites that take detailed
Satellites	capture data across multiple wavelengths.	images of Earth using many
		colors beyond visible light.
Orbital	The maneuver of one spacecraft meeting another in	When one spacecraft meets
Rendezvous	orbit.	another in space.
Green Propulsion	Testing of environmentally friendly fuel technologies	Trying out less harmful fuels in
Tests	in spacecraft.	space vehicles.
Plasma	Techniques used to maintain control over plasma for	Keeping super-hot plasma
Confinement	sustained nuclear fusion reactions.	stable for energy production.
Cryogenic	Space propulsion technologies that involve super-	Using very cold fuels to power
Propulsion	cooled fuels.	spacecraft.
Deuterium &	Heavy isotopes of hydrogen used in nuclear fusion	Special types of hydrogen used
Tritium Fuel	processes.	for powerful nuclear energy.
Lunisolar System	A calendar system that combines both lunar and	A calendar based on the
	solar cycles.	moon's phases and the sun's
		position.



Economy

Keyword	Official Definition	Easy Explanation
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Economic	Advocacy of protectionist measures to improve	Favoring the country's economy
Nationalism	domestic economic interests.	by protecting local industries and
		jobs.
Carbon-Border	Taxes imposed on imported goods based on	Taxes on imports from countries
Taxes	their carbon emissions associated with	with less strict environmental
	production.	controls.
Elasticity of	The rate at which one factor of production can	How easily one resource can be
Substitution	be substituted for another while maintaining the	replaced with another in
	same level of output.	production without affecting
	·	output.
Forex Volatility	The measure of how frequently and by what	How often and how much currency
	magnitude currency exchange rates change.	values change in foreign
		exchange markets.
Unhedged External	Foreign loans taken without any financial	Borrowing money from foreign
Borrowings	safeguards against currency exchange	sources without protection against
	fluctuations.	currency changes.
Inflation Pass-	The degree to which rising costs are transmitted	How increases in costs lead to
Through Effects	to final product prices.	higher prices for consumers.
Debt Monetisation	The financing of government debt through the	When the government prints new
	creation of new money, typically by a central	money to pay off its debts.
	bank.	
Non-Tariff Barriers	Trade restrictions that do not involve tariffs but	Restrictions on trade that use
	may include quotas, embargoes, or other	means other than tariffs, like
	regulatory restrictions.	quotas or regulations.
Greenfield vs.	Decisions between investing in new	Choosing to build new facilities
Brownfield	developments (greenfield) or upgrading existing	from scratch or improve old ones.
Investments	ones (brownfield).	
Neo-Keynesian	Economic theories that advocate for government	Policies using government
Fiscal Policies	intervention to manage economic activity and	spending and taxation to stabilize
	prevent business cycles from becoming too	the economy.
	extreme.	
Economic Multiplier	The increase in economic output arising from an	How spending on physical assets
Effects of Capex	increase in capital expenditures.	like buildings and machinery
		boosts the economy.
Lines of Credit	Financial commitments by a bank to lend a	A promise by a bank to lend
(LoCs)	specific amount to a borrower within a set	money when needed, up to a limit.
	period.	
Debt Restructuring	A process by which a debtor and creditor agree	Changing the terms of a loan to
	on a reduced balance that will be regarded as	make it easier to pay back.
	payment in full.	
Debt-to-GDP Ratio	A measure of a country's debt compared to its	How much a country owes
	economic output, expressed as a percentage.	compared to how much it earns.









Fiscal Health Index	A metric to assess the overall financial health of	A score showing how financially
	a government by examining its financial stability	stable a government is.
	and sustainability.	
Primary Deficit	The fiscal deficit of a government excluding	The amount by which government
	interest payments on old debt.	spending exceeds income, not
		counting interest payments.
Revenue Deficit	The shortfall in government revenue compared	When a government spends more
	to total expenditure excluding capital spending.	on running itself than it earns.
Trade Deficit	The amount by which a country's imports exceed	When a country buys more from
	its exports.	other countries than it sells to
		them.
Tariff Stabilization	The use of tariff measures to stabilize a national	Adjusting taxes on imports and
	economy.	exports to help the economy.
Multiplier Effect	The proportional amount of increase, or	How spending more or less money
	decrease, in final income that results from an	affects the overall economy.
	injection, or withdrawal, of spending.	
Structural Reforms	Policies implemented to increase the efficiency	Changes made to improve how an
	of an economy.	economy works.
Disinflation	A reduction in the rate of inflation.	When prices increase at a slower
		rate than before.
Sticky Inflation	Inflation that remains in the high range despite	When high prices don't come
	economic measures to control it.	down easily even with efforts to
		reduce them.
Core Inflation	A measure of the long-term trend in prices that	Tracking price changes without
	excludes items with volatile movements.	counting food and energy, which
		can swing widely.
Fiscal	A political-economic philosophy regarding fiscal	Belief in reducing government
Conservatism	policy and fiscal responsibility advocating for low	spending and debt.
	spending and reduced government debt.	
Retrospective	Tax laws that are applied to transactions that	Applying new tax laws to old
Taxation	took place before the law was passed.	actions.
Worker Population	The ratio of employed individuals to the total	The percentage of people who are
Ratio (WPR)	working-age population.	working compared to those who
		can work.



International Relations

Keyword	Official Definition	Easy Explanation
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Multipolar Diplomacy	International relations characterized by	World politics where several
	multiple countries exerting influence, without	countries have significant influence.
	a single dominant global power.	
Hybrid Warfare	A conflict strategy that blends conventional	Warfare that combines traditional
	warfare with irregular tactics and cyber	fighting with non-traditional methods
	warfare.	like cyber attacks.
Asymmetric Warfare	Warfare between belligerents of drastically	Conflict where the fighting forces
	unequal military capabilities and strategies.	are unequal in size, strength, or
		tactics.
Geo-Economic	The division of global economic interactions	Breaking up of global economic
Fragmentation	due to political, economic, or strategic	relationships due to conflicts or
	conflicts.	competition.
Structural	Detailed explanation of how the concept	Simplified description suitable for
Geopolitical Shifts	functions and its relevance in its specific field.	general understanding without prior
		knowledge.
Indus Script	Detailed explanation of how the concept	Simplified description suitable for
Dravidian	functions and its relevance in its specific field.	general understanding without prior
Hypothesis		knowledge.
Torrijos-Carter	Detailed explanation of how the concept	Simplified description suitable for
Treaties	functions and its relevance in its specific field.	general understanding without prior
		knowledge
Strategic Autonomy	The ability of a state to pursue its national	When a country makes decisions
	interests and policies independently from	without outside influence.
	other world powers.	
Rapprochement	The reestablishment of harmonious relations,	Countries fixing their relationships
	particularly between countries.	and getting along again.
Track 2 Diplomacy	Informal diplomacy through exchanges and	Non-official talks and meetings to
	activities by non-governmental actors to help	solve international problems.
	resolve conflicts.	
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Polity

Keyword	Official Definition	Easy Explanation
Hydrocracy	A form of governance where control over water	A political system where water
	resources is a primary source of power.	resource control dictates power.
Hybrid Warfare	A military strategy that blends conventional	Using a combination of traditional
	warfare, irregular tactics, and cyber warfare.	and non-traditional warfare
		methods.









Asymmetric	Warfare between belligerents whose relative	Conflicts where the opposing
Warfare	military power differs significantly.	forces have unequal military
		capabilities.
Universal	Standards ensuring that buildings and services	Rules that make facilities usable
Universal Accessibility .		
Norms	are accessible to all people, including those with	by everyone, including those with
	disabilities	disabilities.
Inter-Service	The lack of communication and cooperation	When different government or
Siloing	between different branches of the military or	military groups do not share
	government.	information or work together.
Birthright	Automatic granting of citizenship to individuals	Becoming a citizen of the country
Citizenship	born in a country.	where you are born.
Jus Soli (Right of	Citizenship principle where a person's nationality	Getting citizenship based on
Soil)	or citizenship is determined by place of birth.	where you are born.
Jus Sanguinis	Citizenship principle where a person's nationality	Getting citizenship based on your
(Right of Blood)	or citizenship is determined by their parents'	parents' nationality.
	citizenship.	
Temporary	A short-term court order issued to prohibit an	A court order to temporarily stop
Restraining Order	individual from carrying out a particular action,	someone from doing something.
(TRO)	especially in domestic cases or disputes.	
Executive	Actions taken by government officials that	When government leaders do
Overreach	exceed their powers.	more than what their job allows.
Supra-National	Entities formed by two or more central	Organizations that go beyond
Institutions	governments that operate above the state level	national borders with the power to
	and have authority to make decisions that are	make decisions affecting multiple
	binding on all that are members.	countries.





