Online	repository:	

Key words	Descriptions	Links/Resources
	When two common air pollutants, sulphur dioxide and nitrogen oxide combine with water in	https://innovate-eco.
	the atmosphere it forms a weak acid. When it rains this rain is acidic and is referred to as 'acid	com/how-does-pollution-
acid rain	rain'.	affect-biodiversity/
	Acidification is a process that is characterized by increasing concentrations of hydrogen ions	
	(H+) in soil or water. It can cause metals and their compounds to ionize, producing ions (such	
	as Al3+) in concentrations high enough to be toxic to plants, animals, and microorganisms.	https://digitaleditions.
	Consequently, increasing acidification is usually interpreted as a degradation of	library.dal.
	environmental quality. Acidification is caused by many influences, both natural and	ca/environmentalscience
	anthropogenic, but the most widespread problems are associated with a phenomenon	<u>/chapter/chapter-19-</u>
acidification	commonly referred to as acid rain.	acidification/
	Air pollution is any substance suspended in the air that can have adverse effects on the health	
	of humans and the wider ecosystem. This could be solid particles such as dust or soot from a	https://innovate-eco.
	coal-fired power station, or it could be gases that are invisible to the naked eye such as	com/how-does-pollution-
air pollution	ammonia or carbon dioxide.	affect-biodiversity/
	Biodiversity loss refers to the decline or disappearance of biological diversity, understood as	https://www.iberdrola.
	the variety of living things that inhabit the planet, its different levels of biological organisation	com/sustainability/biodiv
biodiversity loss	and their respective genetic variability, as well as the natural patterns present in ecosystems.	ersity-loss
	Carbon dioxide is a colorless and non-flammable gas at normal temperature and pressure.	https://scied.ucar.
	Although much less abundant than nitrogen and oxygen in Earth's atmosphere, carbon	edu/learning-zone/how-
	dioxide is an important constituent of our planet's air. A molecule of carbon dioxide (CO2) is	climate-works/carbon-
Carbon dioxide	made up of one carbon atom and two oxygen atoms.	<pre>dioxide#:~:text=Carbon%</pre>
	Carbon monoxide (CO) is an odorless, colorless gas formed by the incomplete combustion of	https://www.health.
	fuels. When people are exposed to CO gas, the CO molecules will displace the oxygen in their	<u>state.mn.</u>
carbon monoxide (CO)	bodies and lead to poisoning.	us/communities/environ
	Deforestation is the purposeful clearing of forested land. Throughout history and into modern	https://education.
	times, forests have been razed to make space for agriculture and animal grazing, and to	nationalgeographic.
	obtain wood for fuel, manufacturing, and construction.	org/resource/deforestati
deforestation	Deforestation has greatly altered landscapes around the world.	on

eutrophication	A process of pollution that occurs when a lake or stream becomes over-rich in plant nutrient; as a consequence it becomes overgrown in algae and other aquatic plants. The plants die and decompose. In decomposing the plants rob the water of oxygen and the lake, river or stream becomes lifeless. Nitrate fertilizers which drain from the fields, nutrients from animal wastes and human sewage are the primary causes of eutrophication.	https://www.eea. europa. eu/archived/archived- content-water- topic/wise-help- centre/glossary- definitions/eutrophicatio n
	These heavy metals are found naturally on the Earth's crust since the Earth's formation. Due to the astounding increase of the use of heavy metals, it has resulted in an imminent surge of metallic substances in both the terrestrial environment and the aquatic environment. Heavy metal pollution has emerged due to anthropogenic activity which is the prime cause of pollution, primarily due to mining the metal, smelting, foundries, and other industries that are metal-based, leaching of metals from different sources such as landfills, waste dumps, excretion, livestock and chicken manure, runoffs, automobiles and roadworks. Heavy metal use in the agricultural field has been the secondary source of heavy metal pollution, such as the use of pesticides, insecticides, fertilisers, and more. Natural causes can also increase heavy metal pollution such as volcanic activity, metal corrosion, metal evaporation from soil	https://www. sciencedirect. com/science/article/pii/S
heavy metals pollution	and water and sediment re-suspension, soil erosion, geological weathering Invasive alien species are plants, animals, pathogens and other organisms that are non-native to an ecosystem, and which may cause economic or environmental harm or adversely affect human health. In particular, they impact adversely upon biodiversity, including decline or elimination of native species - through competition, predation, or transmission of pathogens - and the disruption of local ecosystems and ecosystem functions.	2405844020315346 https://www.cbd. int/idb/2009/about/what L
light pollution	light pollution is a form of waste energy that can cause adverse effects and degrade environmental quality. Moreover, because light (transmitted as electromagnetic waves) is typically generated by electricity, which itself is usually generated by the combustion of fossil fuels, it can be said that there is a connection between light pollution and air pollution (from fossil-fueled power plant emissions). Control of light pollution therefore will help to conserve fuel (and money) and reduce air pollution as well as mitigate the more immediate problems caused by the excessive light.	<u>https://www.britannica.</u> <u>com/science/light-</u> <u>pollution</u>

	Nitrogen Oxides are a family of poisonous, highly reactive gases. These gases form when fuel is burned at high temperatures. NOx pollution is emitted by automobiles, trucks and various		
	non-road vehicles (e.g., construction equipment, boats, etc.) as well as industrial sources such	https://www.2.opp	
	brownish gas. It is a strong oxidizing agent and plays a major role in the atmospheric reactions	gov/region1/airquality/n	
nitrogen oxides (NOx)	with volatile organic compounds (VOC) that produce ozone (smog) on hot summer days.	<u>ox.html</u>	
		https://www.	https://phys.org/news/2018-01-
	Nitrogen is an important element that gives plants the energy to grow. It's essential to all life	soilassociation.	phosphorus-pollution-
	on Earth, but it can be very damaging in excess.	org/causes-	dangerous-worldwide.html#:~:
	Nitrogen pollution is caused when some nitrogen compounds – like ammonia and nitrous	campaigns/fixing-	text=%22Eutrophication%
	oxide – become too abundant. Phosphorus is a common component of mineral and manure	nitrogen-the-challenge-	20due%20to%20phosphorus%
	fertilizers because it boosts crop yields. However, a large portion of phosphorus applied as	tor-climate-nature-and-	20pollution, such%20as%
nitrogen and phosphorus	fertilizer is not taken up by plants, and either builds up in the soil or washes into rivers, lakes	health/the-impacts-of-	20consumption%20and%
pollution	and coastal seas.	nitrogen-pollution/	20swimming.%22
	Unwanted or disturbing sound in the environment that affects the health and well-being of		
	wildlife both on land and in the soa. From traffic noise to rock concerts, loud or inescanable	https://aducation	
	sounds can cause bearing loss stress and high blood pressure. Noise from shins and human	nationalgeographic	
	activities in the ocean is harmful to whales and dolphins that depend on echolocation to	org/resource/noise-	
noise pollution	survive.	pollution	
	Leakage of petroleum onto the surface of a large body of water. Oceanic oil spills became a		
	major environmental problem in the 1960s, chiefly as a result of intensified petroleum		
	exploration and production on continental shelves and the use of supertankers capable of	https://www.britannica.	
oil spill	transporting more than 500,000 metric tons of oil.	<u>com/science/oil-spill</u>	
	Natural resources may be divided into regenerative resources such as land (arable and		
	grazing land), air, ground water, forests, plants and animals, etc. on the one hand, and		
	non-renewable resources such as oil, coal, natural gas, metals, minerals, etc. on the	http://www.eolss.	
	other hand. The exploitation of both regenerative resources and non-renewable	<u>net/sample-</u>	
overexploitation of	resources is increasing, as more countries embark on industrialization and consume	<u>chapters/c13/E4-25-04-</u>	
natural resources	more resources.	<u>U3.pdf</u>	

	Plastic pollution has become one of the most pressing environmental issues, as rapidly increasing production of disposable plastic products overwhelms the world's ability to deal with them. Plastic pollution is most visible in developing Asian and African patients, where	
	garbage collection systems are often inefficient or nonexistent. But the developed world	https://www
	especially in countries with low recycling rates, also has trouble properly collecting discarded	nationalgeographic.
	plastics. Plastic trash has become so ubiquitous it has prompted efforts to write a global	com/environment/article
plastic pollution	treaty negotiated by the United Nations.	/plastic-pollution
	This invisible affliction appears when the concentration of pollutants on the surface becomes	
	so high that it harms land biodiversity and endangers health, particularly through food.	
	Activities such as stock breeding and intensive farming use chemicals, pesticides and	
	fertilisers that pollute the land, just as happens with heavy metals and other natural and man-	
	made chemical substances. Soil pollution is a global threat that is particularly serious in	
	regions like Europe, Eurasia, Asia and North Africa, as indicated by the Food and Agricultural	https://www.iberdrola.
	Organization of the United Nations (FAO). The FAO also affirms that both intense and even	com/sustainability/soil-
	moderate degradation is already affecting one third of the world's soil. Moreover, recovery is	pollution-causes-effects-
soil pollution	so slow that it would take 1,000 years to create a 1 centimetre layer of arable soil.	solutions
	Sulfur dioxide appears as a colorless gas with a choking or suffocating odor. Boiling point -10°	
	C. Heavier than air. Very toxic by inhalation and may irritate the eyes and mucous	
	membranes. Under prolonged exposure to fire or heat the containers may rupture violently	
	and rocket. Used to manufacture chemicals, in paper pulping, in metal and food processing.	
	Rate of onset: immediate & Delayed Persistence: Minutes to nours Odor Infestiona: 1 ppm	
	industry: hatteries, CAMEO Chemicals, Sulfur diovide is a colorless gas with a pungent odor. It	
	is a liquid when under pressure and it dissolves in water very easily. Sulfur dioxide in the air	
	comes mainly from activities such as the burning of coal and oil at power plants or from	https://pubchem.nchi
	copper smelting. In nature, sulfur dioxide can be released to the air from volcanic eruptions.	nlm.nih.
	Sulfur dioxide is a sulfur oxide. It has a role as a food bleaching agent, a refrigerant and an	gov/compound/Sulfur-
sulfur diocide (SO2)	Escherichia coli metabolite.	dioxide
	Water pollution is the contamination of water sources by substances which make the water	
	unusable for drinking, cooking, cleaning, swimming, and other activities. Pollutants include	
	chemicals, trash, bacteria, and parasites. All forms of pollution eventually make their way to	
water pollution	water.	
	Biodiversity, also called biological diversity, is the variety of life found in a place on Earth or,	
	often, the total variety of life on Earth. A common measure of this variety, called species	
	richness, is the count of species in an area. Biodiversity also encompasses the genetic variety	https://www.britannica.
biodiversity	within each species and the variety of ecosystems that species create.	com/science/biodiversity

		https://www.paho. org/en/topics/air-quality- and-health/ambient-and- household-air-pollution- and-health-frequently- asked#:~:text=Ambient% 20air%20pollution% 20is%20a,health% 20and%2For%20the%
Ambient Air Quality	A broader term used to describe air pollution in outdoor environments.	20environment. https://www.eea
		europa.
		eu/help/glossary/eper-
		pollution-register-
Anthropogenic processes	Anthropogenic effects, processes, objects, or materials are those that are derived from human	glossary
	Greenhouse gases are atmospheric gases such as carbon dioxide, methane,	<u>https://uk-air.defra.gov.</u>
	chlorofluorocarbons, nitrous oxide, ozone, and water vapour that slow the passage of re-	uk/air-pollution/glossary.
Greenhouse Gases	radiated heat through the Earth's atmosphere.	php?glossary_id=32#32