

Final Exam Vocabulary List

This list will be used for Matching, True/False, Fill-in-the-Blank, and Multiple Choice

Week 9: Air Masses, Fronts and Cyclonic Storms (Lectures 15 & 16)

Weather & Climate Terms to Know	
Maritime Tropical (mT)	Kona Storms / Kona Low
Maritime Polar (mP)	Cyclogenesis
Maritime Equatorial (mE)	Mature Stage (of MLC)
Continental Tropical (cT)	Occluded
Continental Polar (cP)	Speed Divergence
Continental Artic (cA)	Direction Divergence
Warm Front	Vorticity
Cold Front	Air Mass
Stationary Front	Frontal Passage
Warm-Type Occluded Front	Polar Front Theory
Cold-Type Occluded Front	Overrunning
Dry Line	Mid Latitude Cyclone (MLC)

Week 10: Thunderstorms and Tornadoes (Lectures 17 & 18)

Weather & Climate Terms to Know	Hawaiian & Pacific Terms and Names to Know
Lightning	Hi'iaka
Thunder	ulia
Air Mass Thunderstorms	hekili
Severe Thunderstorms	
Cumulus Stage	Weather & Climate Terms to Know
Mature Stage	Waterspout
Dissipating Stage	Tornado
Entrainment	Mesocyclone
Downdraft	Funnel Cloud
Updraft	Wall Cloud
Supercell Thunderstorm	Suction Vorticies
Inter-cloud Lightning	Gust Font
Intra-cloud Lightning	Tornado Alley
Cloud-to-Ground Lightning	Fujita Scale &Enhanced Fujita Scale
Cloud-to-Air Lightning	Return Stroke
Leaders & Step-Leaders	Dart Leader
Outflow Boundary	Roll Cloud
Overshooting Top	Anvil

Week 11: Hurricanes (Lectures 19 & 20)

Weather & Climate Terms to Know	Hawaiian & Pacific Terms and Names to Know
Hurricanes, Typhoons & Cyclones	Iniki

Tropical Storm	Super Typhoon Haiyan / Yolanda
Tropical Depression	Tropical Cyclone Pam
Tropical Disturbance	
Wind Shear	Weather & Climate Terms to Know
Eye	Hurricane Watch
Eye Wall	Hurricane Warning
Storm Surge	Central Pacific List
Saffir Simpson Scale	

Week 12: Air Pollution (Lectures 21 & 22)

Weather & Climate Terms to Know	Hawaiian & Pacific Terms and Names to Know
Primary Pollutant	Pele
Secondary Pollutant	Na-maka-o-Kaha'i
Criteria Pollutants	Poliahu
Carbon Monoxide, CO	Halema'uma'u Crater
Nitrogen Dioxide, NO ₂	Pu'u' Ō' ō vent
Nitric Oxide, NO	East Rift Zone
Particulate Matter (2.5 & 10)	
Tropospheric Ozone	Weather & Climate Terms to Know – Con't
Stratospheric Ozone	Radon
Lead (Pb)	Environmental Tobacco Smoke
Sulfur Dioxide (SO ₂)	Vog
Indoor Air Pollution	Photochemical Smog
Volatile Organic Compounds	Industrial Smog
Dust	Acid Raid
Volcanic Ash	

Week 13: Atmospheric Optical Phenomena (Lectures 23 & 24)

Weather & Climate Terms to Know	Hawaiian & Pacific Terms and Names to Know
46 degree Halo	Kahalaopuna
22 degree Halo	Kaikawahine Anuenuu
Rainbow	Kahaukani
Double Rainbow	Kauakuahine
Sun Dogs	goddess Hina
Sun Pillars	Tangaroa
Glory	aniwaniwa
Corona	Anuenuu
Inferior Mirages	Kahukura
Superior Mirages	Uenuku
Reflection	
Scattering	Weather & Climate Terms to Know
Diffraction	Towering
Refraction	Looming
Dispersion	Fata Morgana

Week 14: Nature and Music (Lecture 25)

Hawaiian & Pacific Terms and Names to Know	
Leuha Flower	ili ili
Sam Nianoa	Queen Lili'uokalani
Nani Na Pua	Aloha 'Oe
The Royal School	'Iolani Palace
Henry Berger	Jacob Maka
	Alfred Alohikea

Week 15: Climate Vulnerability and Agriculture (Lecture 26 & 27)

Weather & Climate Terms to Know	Hawaiian & Pacific Terms and Names to Know
Greenhouse Effect	Kumara
Sea-Level Rise	
Mitigation (in a Climate Change context)	Weather & Climate Terms to Know
Adaptation (in a Climate Change context)	Dengue
Extreme Weather Events	Ecosystem-Based Adaptation
Vector Born Disease	

Week 16: Sea-Level Rise – Impacts and Mitigation (Lecture 28)

Weather & Climate Terms to Know	Hawaiian & Pacific Terms and Names to Know
First Order Changes	King Tide
Second Order Changes	