

FORM 3 GEOGRAPHY NOTE 2

CLIMATE

Weather is the daily condition of the atmosphere.

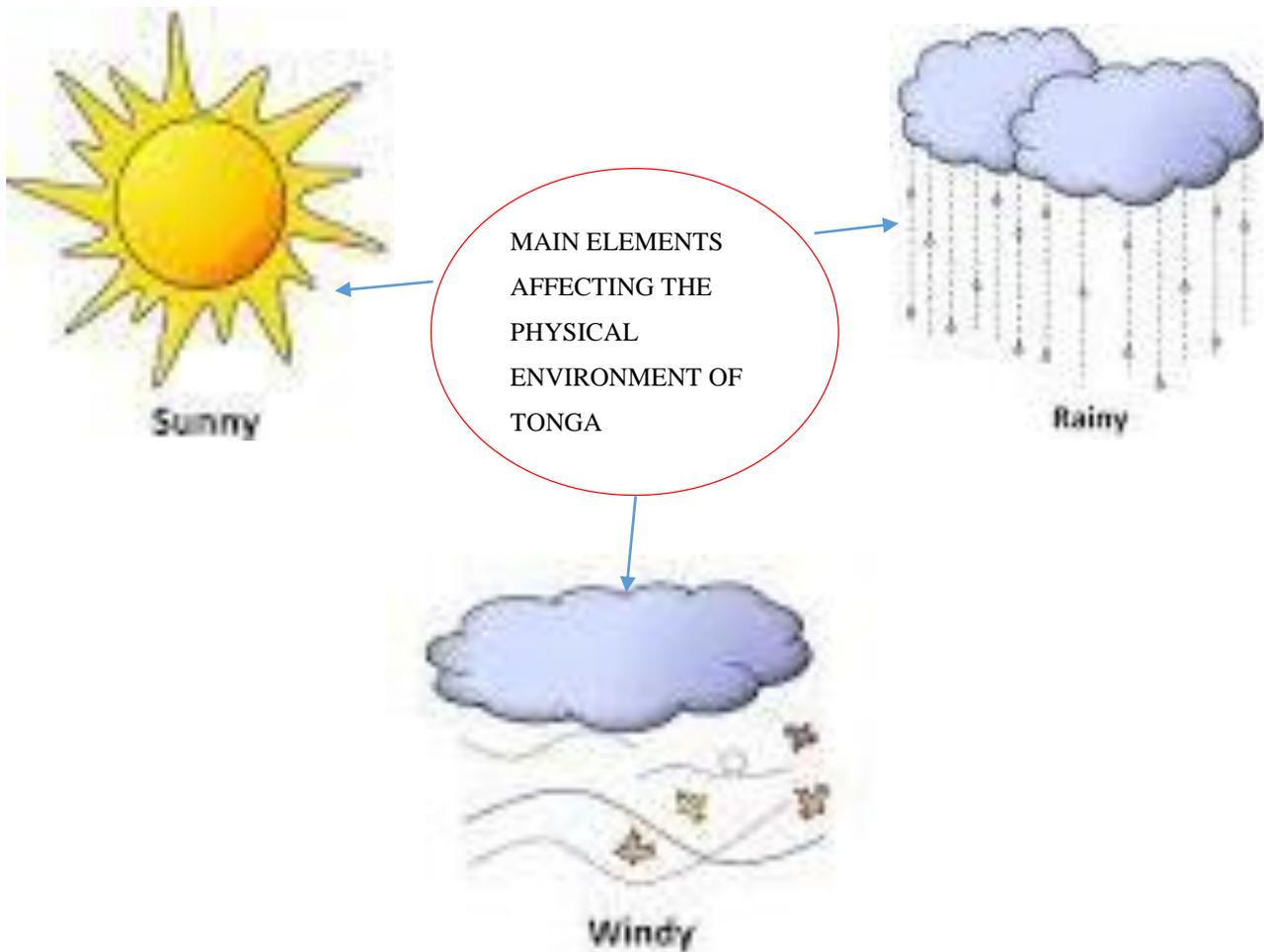
(Ko e anga e 'ea faka'aho. 'E malava pe ke 'uha, la'aa, havili (hakohako) pe ko e katoa pe)

Climate is weather over a long period of time.

(Ko e anga e tu'u e 'ea 'i ha piliote loloa, ko e fakata'u)

3 MAIN ELEMENTS OF CLIMATE IN TONGA

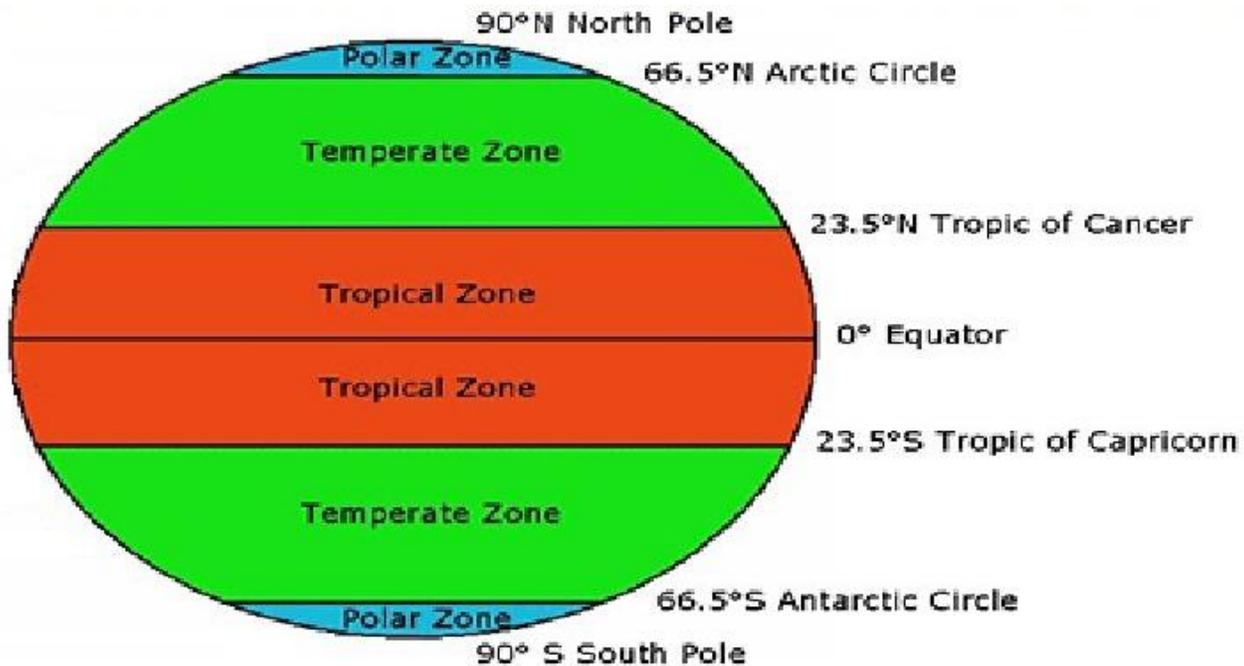
- The weather or climate we have in Tonga is because of the interaction of the climatic elements.



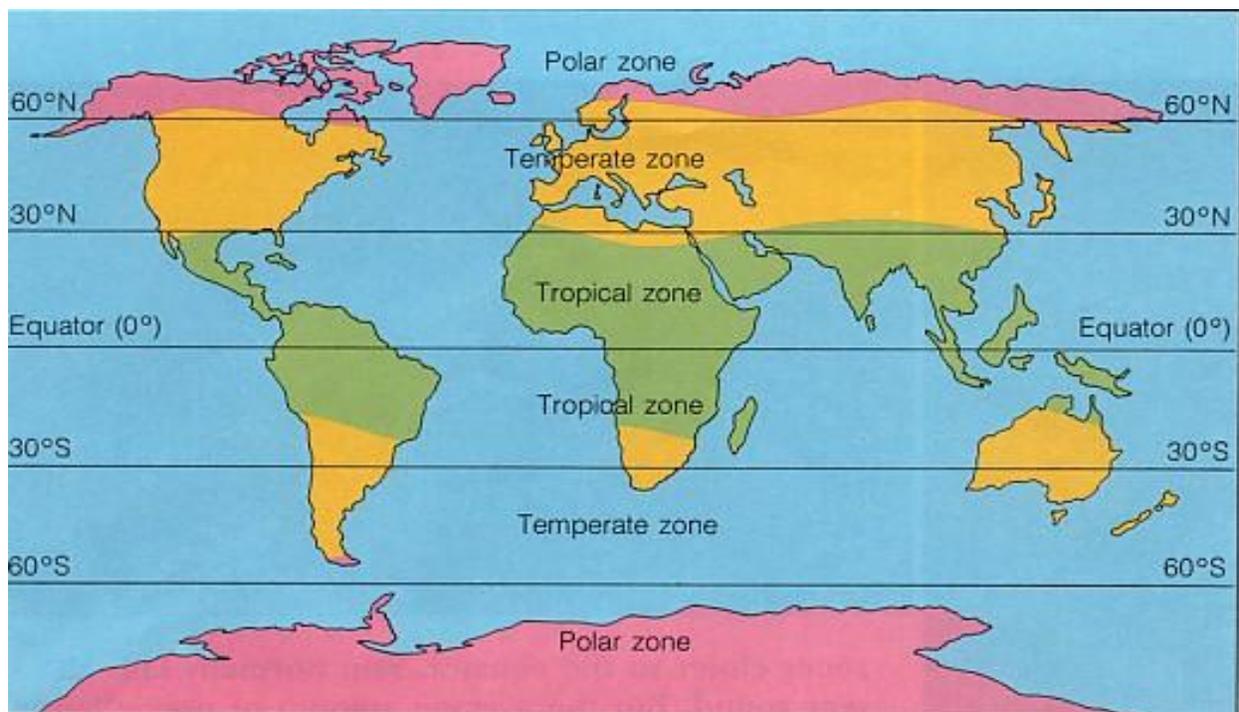
- Ngaahi 'elemeniti eni 'oku ne uesia e 'ataakai 'o Tonga, la'aa, 'uha moe havili.

CLIMATIC ZONES

- There are 3 major climatic zones:
 - Tropical**
 - Temperate**
 - Polar**



- Ko e ngaahi sone ena 'e 3 hene ha 'i ngaahi laine latitude 'o mamani.



- Ko e ngaahi sone e 3 eni hene ha 'i he mape 'o mamani.

FEATURES OF EACH ZONE

TROPICAL ZONE

- They are warm all year and have no winter.
- They lie near the Equator (0°).
- They lie between the two tropics, Tropic of Cancer (23.5° N) and Tropic of Capricorn (23.5° S)
- Some have a lot of rain.

TEMPERATE ZONE

- Usually have warmer summers and colder winters.
- Falls between 23.5° and 66.5° north and south latitudes.
- Greatest temperature variations throughout the year of any climate zone.

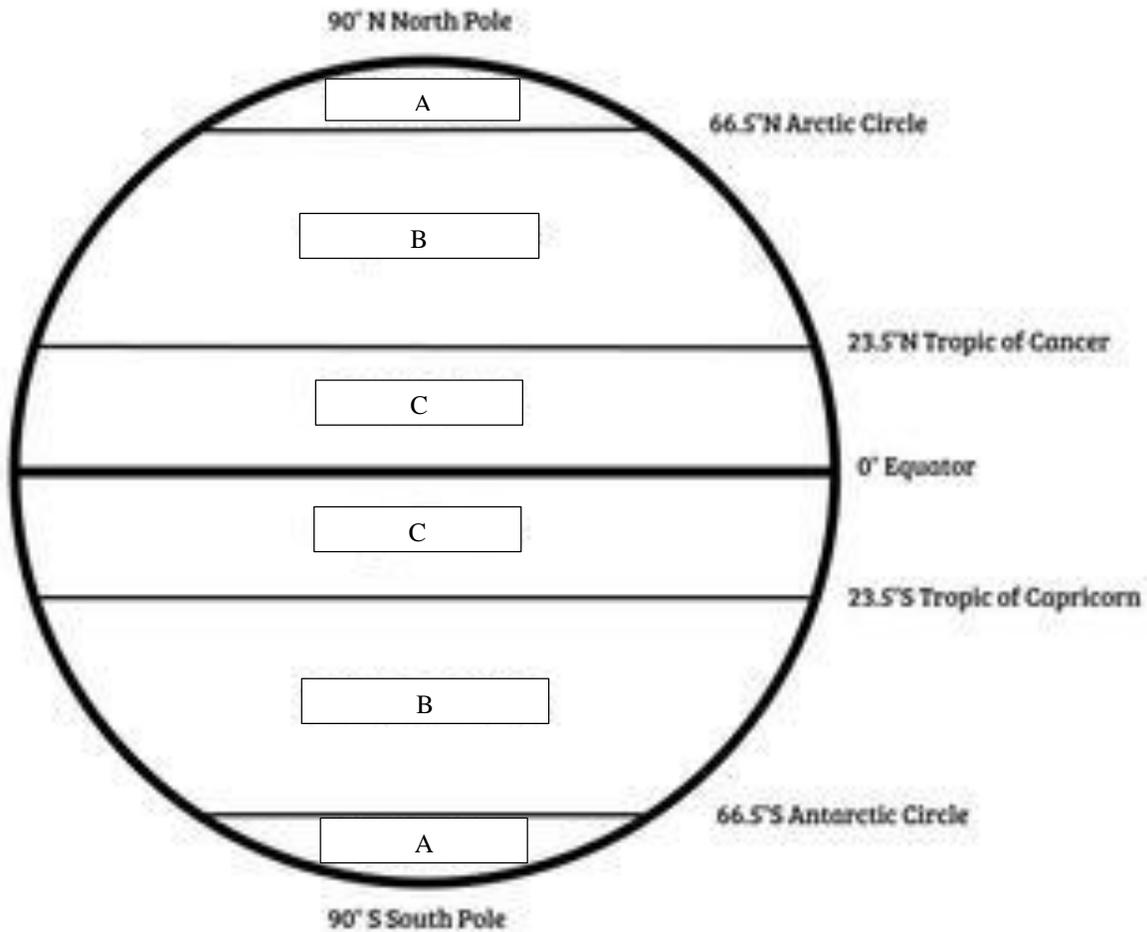
POLAR ZONE

- Short, cool summer and long, bitterly cold winter.
- Very cold, snow and ice often cover the land.
- Experience long periods of extreme cold.
- Fill the areas within the Arctic and Antarctic Circles, extending from 66.5° north and south latitude to the poles (90°).

ACTIVITY 1: Answer the following questions using the notes already provided on climate. (*Ngaue 'aki ho nouti 'i he Climate ke tali 'aki e ngaahi fehu 'i 'oku 'oatu*)

1. In your own words give the definition of weather.
(*I ho lea pe 'a koe, talamai pe koe ha e 'ea*)
2. In your own words give the definition of climate.
(*I ho lea pe 'a koe, talamai pe koe ha e anga e 'ea he taimi loloa*)
3. Name the 3 elements of climate in Tonga.
(*Fakahingoa mai e elemeniti 'e 3 'o e 'ea 'i Tonga*)
4. Name the 3 major climatic zones of the world.
(*Fakahingoa mai e climatic zone 'e 3 'o mamani*)

5. Use the map below to locate the 3 major climatic zones of the world in to it. The same letters are the same zone. (Ngaue'aki e mape 'oku ha atu ke fakaha ai e climatic sone 'e 3. Koe ngaahi mata'itohi tatau 'oku tatau pe 'enau hingoa)



6. For each climatic zone describe its features. ('I he ngaahi sone 'e 3 fakamatala'i mai 'a e anga e takitaha sone)

i. _____

ii. _____

iii. _____

- Ngaue'aki ho pepa nouti ke tali ki ai e ngaahi fehu'i 'e 'ikai ke hao he ngaahi konga 'oku faka'ataa atu.

ACTIVITY 2: BRAIN TEASE. On the map below locate each climate zone by coloring them in with the color given. (*The mape 'oku ha atu faka'ilonga'i ki ai e ngaahi sone 'e 3. Faka'ilonga'i 'aki hono valivali 'aki e ngaahi lanu 'oku tuku atu*)

- **Polar zone:** BLUE (*PULUU*)
- **TEMPERATE ZONE:** GREEN OR ORANGE (*MATA PE MOLI*)
- **TROPIC ZONE:** RED (*KULOKULA*)



FOR ANY QUESTIONS CALL 872-4286 TO MAAMALOA MAFI.

KI HA'O FEHU'I TA KI HE 872-4286 KIA MAAMALOA MAFI.