

# FORM 3 GEOGRAPHY NOTE 4

## HUMIDITY

Humidity is **water vapor** in the air.

**Water vapor** is water that is in the form of a vapor, or gas.

(Ko e vai ka óku í he fotunga ó ha kasa, hange koe mao. Ko e taimi óku lili ai ha tipota óku ke lava sio ki he mao óku álu hake mei he tipota, koe water vapor ia)

### 3 MEASUREMENTS OF HUMIDITY

1. absolute humidity
2. relative humidity
3. specific humidity

- The instrument used to measure humidity is called a **Hygrometer**.
- The unit used to measure humidity is:

Absolute humidity unit	$\text{g.m}^{-3}$
Specific humidity unit	$\text{g.kg}^{-1}$

- Relative humidity is used to note the amount of humidity as a **percent**, from 0-100%.

### Humidity in Tonga

- Humidity of the air in Tonga is quite high.
- The average annual humidity is 77% in Tongatapu and 79% in Vavaú.
- During warm months the humidity is above 80%, it feels hot and uncomfortable.
- During the cool season the humidity goes down to 65 – 70%, it feels cool.

**Activity 1:** Use your notes to answer the questions that follow.

(Ngaueáki ho nouti ke tali ‘aki e ngaahi fehuí óku ha atu)

1. In your own words define the word humidity.  
(‘I ha’o fakalea pe fakamatala’i mai e ‘uhinga e fo’i lea koe humidity)
2. Name the 3 measurements of humidity.  
(Fakahingoa mai e ngaahi fua ‘e 3 ‘o e humidity)
3. Name a unit used to measure humidity.  
(Fakahingoa mai ha ‘iuniti ‘e taha ‘oku ngaue’aki ki he fua e humidity)
4. Name the instrument used to measure humidity.  
(Fakahingoa mai e me’angaue ‘oku fakahoko ‘aki hono fua e humidity)
5. Describe the nature of humidity in Tonga.  
(Fakamatala’i mai e natula e humidity ‘i Tonga)