

Subject: Science

Level: Standard 4

Strand: Systems and Interaction

Topic: Difference between climate and weather

Key Points

- Weather refers to short-term changes in the atmosphere at a particular place
- There are five types of weather. These are sunny, cloudy, rainy, windy and snowy.
- Climate refers to the weather pattern over a long period of time, in a specific region
- Different regions can have different climates.
- Some climate groups are: tropical, temperate and polar.
- Trinidad and Tobago enjoys a tropical climate.

Activity

1. The picture below shows different descriptions of the weather.






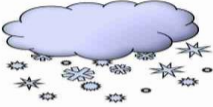
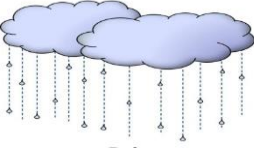
Use the picture above to record the weather for one week on the chart below.

TABLE 1: CHART OF WEATHER THIS WEEK

Today's weather is...				
Monday	Tuesday	Wednesday	Thursday	Friday

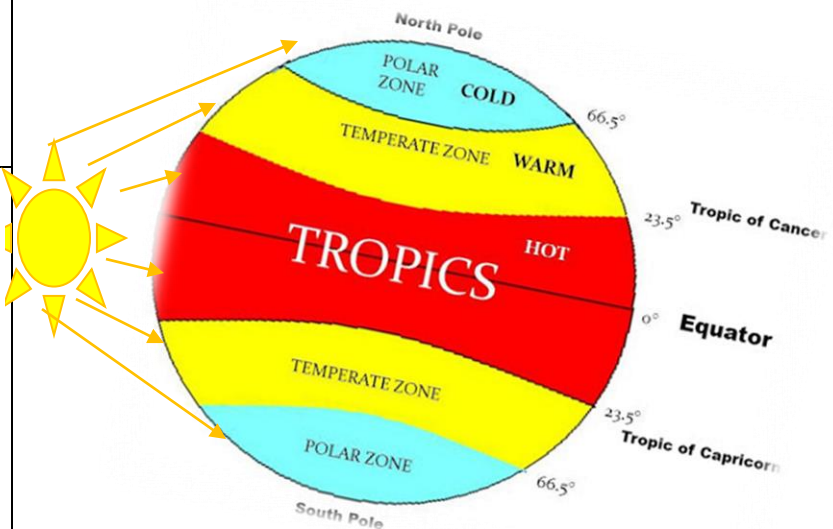
2. Complete the table below:

TABLE 2: IDENTIFY THE WEATHER SHOWN BY THE PICTURES

PICTURE	WEATHER	TICK WHICH WEATHER OCCURS WHERE YOU LIVE
		
		
		
		
		

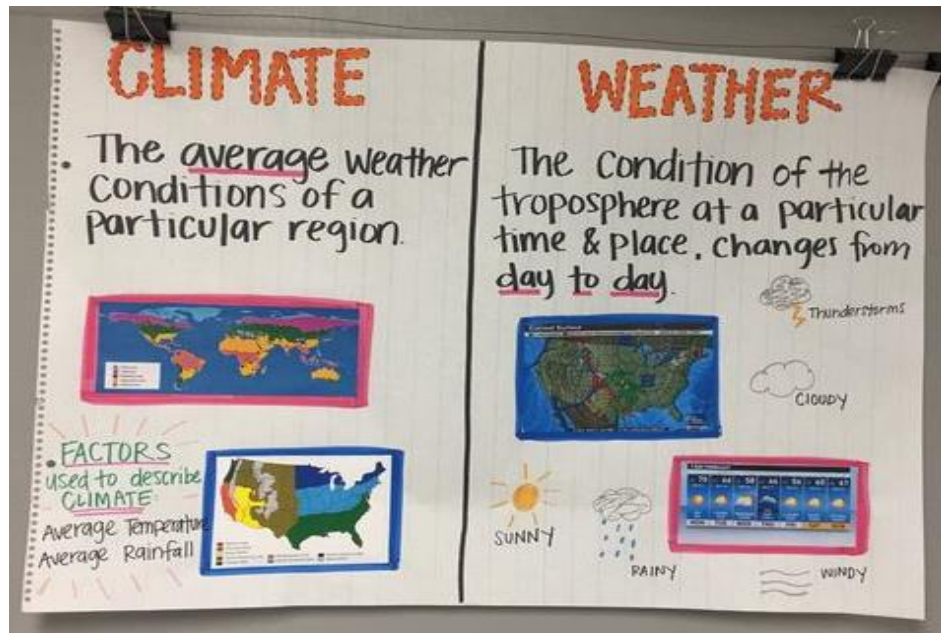
3. Describe the climate for each zone below. An example is done for you. You will need to research the other two.

TABLE 3: TYPES OF CLIMATE

<p>Polar climates:</p>	
<p>(Example)</p> <p>Temperate climate have:</p> <ul style="list-style-type: none"> • moderate rainfall spread across the year. • four seasons (winter, spring, summer and autumn). • mild to warm summers and cool to cold winters of 0 to 18°C. 	
<p>Tropical climates:</p>	

Assessment:

The picture below shows a student's comparison of climate and weather.



4. Complete the table below to show the differences between weather and climate

TABLE 4: Comparison between Climate and Weather

FEATURE	CLIMATE	WEATHER
Period of Time reported (long or short)		
Area affected (large or small)		
Examples	1. 2. 3.	1. 2. 3. 4. 5.

5. State some features of the type of CLIMATE which is found in Trinidad and Tobago.

a. _____





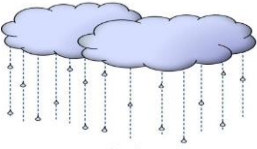
b. _____

Answer Key

1. CHART OF WEATHER THIS WEEK (suggestions are provided. Your answers may vary)

Today's weather is...				
Monday	Tuesday	Wednesday	Thursday	Friday
Hot and sunny	Cool and windy	Cold and rainy	Cool and cloudy	Cold and rainy

2. TABLE 2: IDENTIFY THE WEATHER SHOWN BY THE PICTURES

PICTURE	WEATHER	TICK WHICH WEATHER OCCURS WHERE YOU LIVE
	Sunny	✓
	Windy	✓
	Cloudy	✓
	Snowy	
	Rainy	✓

- are always cold.
- have an average temperature for each month of the year of below 10 °C.
- have two seasons: a short cool summer and longer cold winters

- moderate rainfall spread across the year.
- four seasons (winter, spring, summer and autumn).
- mild to **warm** summers and cool to cold winters of 0 to 18°C.

- have only two seasons which are the dry season and the wet season.
- have more rainfall in the wet season than the dry, hence the names of each season.
- have average temperature year round is 18 to 35°C, which is warm to hot.

FEATURE	CLIMATE	WEATHER
Period of Time (long or short)	Long	Short
Area affected (large or small)	Large	Small
Examples	1. tropical 2. temperate 3. polar	3. sunny 4. cloudy 5. rainy 6. windy 7. snowy

C.P.D.D./Science Unit/2020

Acknowledgement

Activity with Picture	Reference
1. Descriptions of the weather	https://www.clipart.email/download/839147.html
1. Chart of Weather	https://www.clipart.email/download/14612365.html
2. Table 2: Identify the Weather	https://www.clipart.email/clipart/clipart-types-of-weather-for-kids-252970.html
3. Table 3: Types of Climate Zones	https://kids.playquiz2win.com/class-5/heat-zones-of-the-earth-class-5/
Assessment: Comparison of climate and weather.	https://www.pinterest.com/pin/431078995575064229/