

P.7 Social Studies class work Notes Week one(3/June/2020)

Instruction: Copy all the given work in your class work book and answer the given activities.

Date: Monday 1st June, 2020.

Equatorial climate

- Equatorial climate is described as hot and wet throughout the year.
 - It occurs between 5⁰N – 5⁰S of the Equator.
 - It receives rainfall throughout the year.
 - The rainfall ranges from 1500mm-2500mm.
 - There is no complete dry month.
 - It has double maxima (two periods of high rainfall.)
 - Much rainfall is received during equinox.
 - The type of rainfall in Equatorial is Convectional.
 - Convectional rain is mainly received in the afternoon and is usually accompanied by lightning and thunderstorms.
 - It has a high temperature of 24⁰C – 27⁰C.
- NB: People in Equatorial regions build houses with slanting roofs to all allow easy flow of rain water off the roofs.

Activity:

1. Mention the countries in Africa with Equatorial climate.
2. Give the characteristics of convectional rainfall.
3. Mention two areas in Uganda with Equatorial climate?

Countries which experience Equatorial climate

- DRC
- Congo – (Brazzaville)
- Gabon
- Equatorial Guinea
- Sierra Leone
- Central African Republic
- Areas around L. Victoria basin of E. Africa

Economic activities in Equatorial regions

- Farming
- Lumbering
- Latex tapping.
- Tourism
- Mining
- Fishing

Crops grown in Equatorial regions

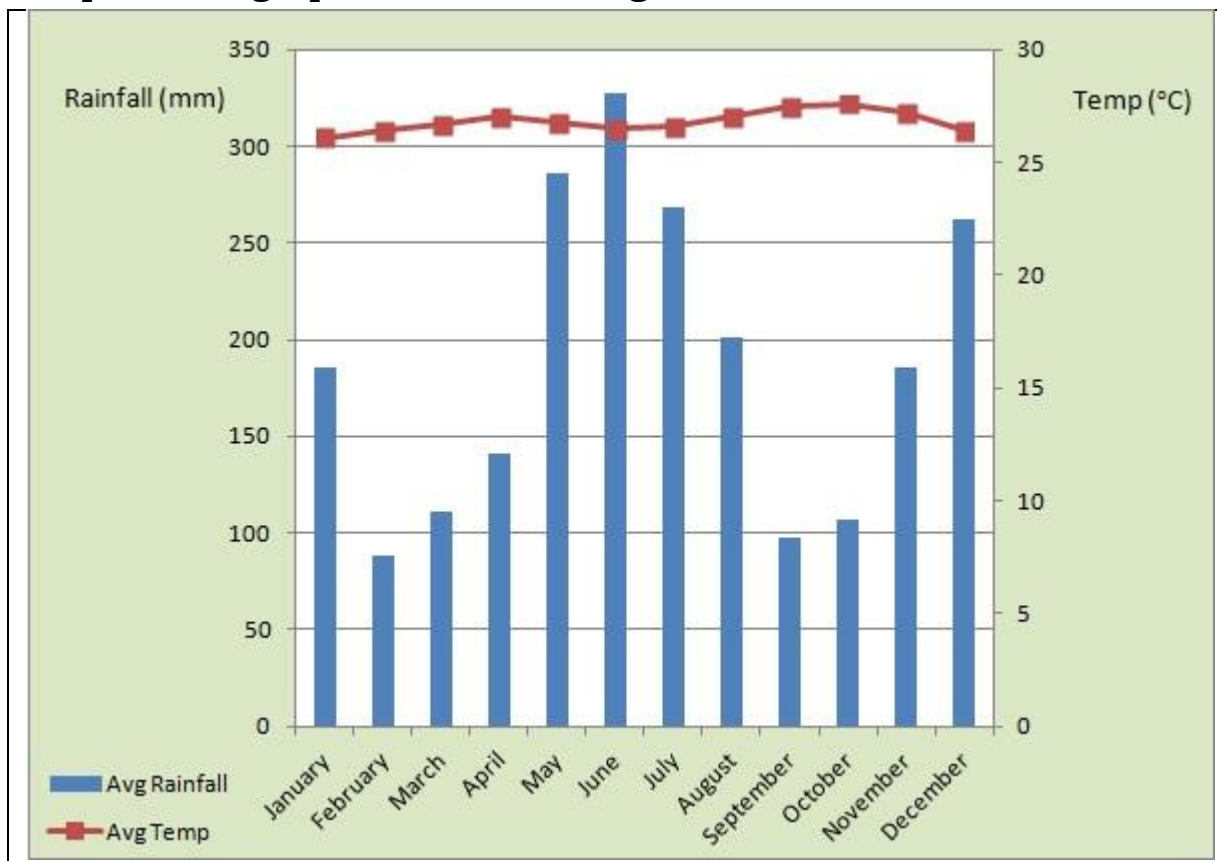
- Oil palm
- Rubber
- Cocoa
- Coffee
- Bananas

Temperature and rainfall from Equatorial region

Months	J	F	M	A	M	J	J	A	S	O	N	D
Temp. °C	23	23	23	22	22	22	21	22	22	22	22	24
R/fall mm	40	10	150	230	205	115	65	80	195	225	150	50

1. How many heavy seasons of rainfall are shown in the table above?
2. Calculate the rainfall range as shown in the table above.
3. Mention one country in Africa where the climate above was recorded.
4. Mention the three crops suitable for the above climate.
5. In which month was the highest rainfall received?
6. Suggest any one area in East Africa which has the climate shown in the table above.
7. How does Equatorial climate affect people's way of living?
 - a) Dressing
 - b) Housing
 - c) Crops grown.
8. Why do people in Equatorial regions build houses with slanting roofs?

Graph showing equatorial climate region



Questions?

1. Which month was the average rainfall highest?
2. What was the lowest average temperature recorded?
3. What is relationship do you notice between average rainfall and average temperature?

4. Describe the above climate.
5. How many rainy seasons are shown on the graph?
6. What measures can the government put in a place to maintain the above climate?
7. Write down the economic activities in the equatorial climatic region.
8. Mention any four countries in Africa with equatorial climate

Date: Tuesday 2nd June, 2020.

Tropical Climatic Region

- Tropical climate is described as wet and dry.
- This region lies between 5° – 15°N and 5° – 15°S of the equator.
- It mainly receives convectional rainfall but some mountainous areas receive relief rainfall.
- The region has two dry and two wet seasons.
- The amount of rainfall decreases with the distance from the Equator.
- The period of the year when the sun overhead the Equator is called Equinox (21st March, 23rd September)
- Tropical climate covers the largest part of Africa.
- It has two parts (the wet and the dry areas)
- The wet area is near equatorial climate while the dry is near desert climate.
- The rainfall ranges between 750mm – 1500mm annually.

Characteristics of tropical climate

- It has two wet and dry seasons. (two marked seasons)
- It has high temperature between 21°C – 32°C.

Countries which experience tropical climate

- | | | |
|------------|------------|-------------------|
| - Uganda | - Zimbabwe | -Southern Nigeria |
| - Kenya | - Ghana | - South Mali |
| - Tanzania | - Gambia | - Chad |
| - Malawi | - Sudan | - |

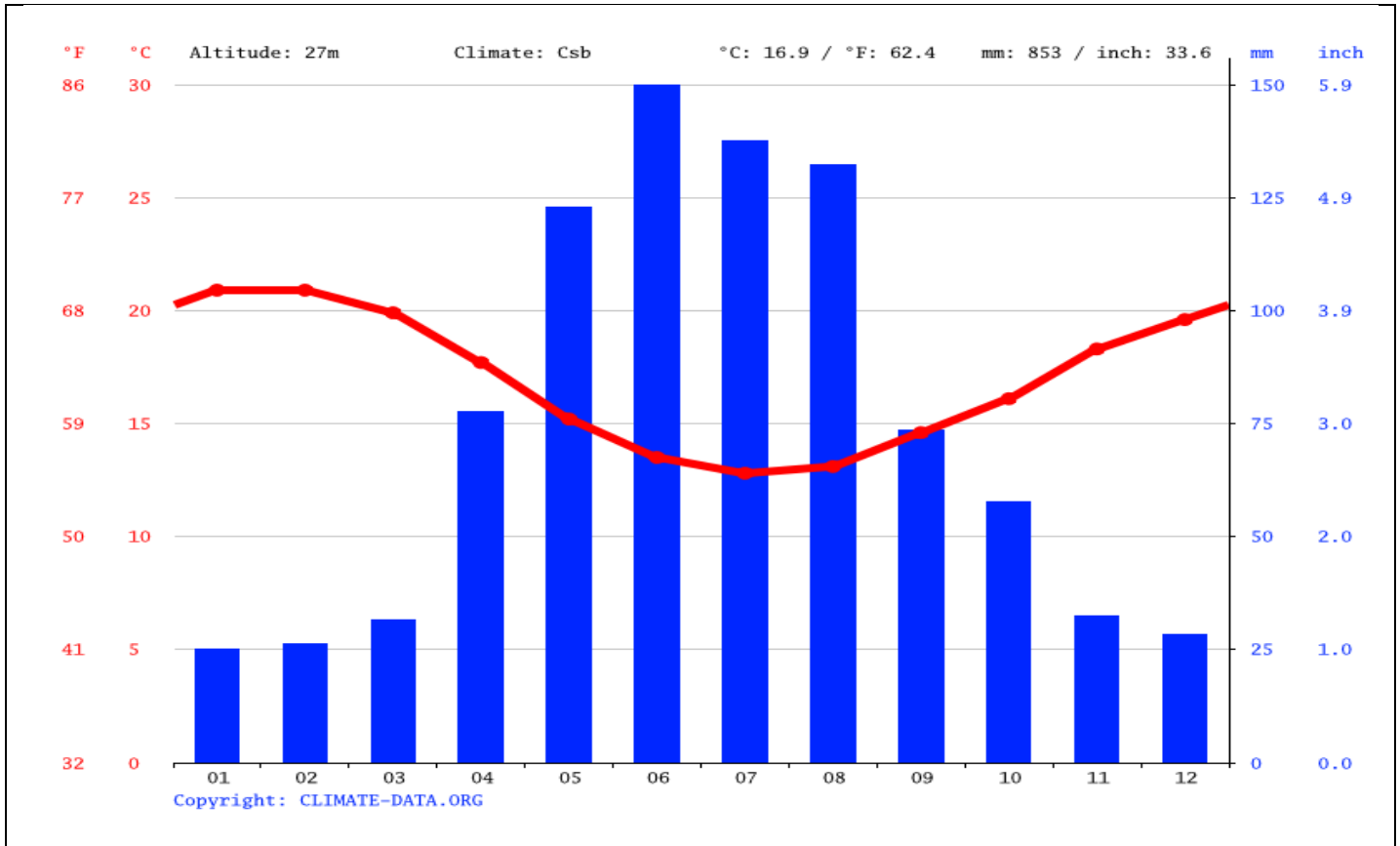
Questions:

- 1.a) Describe the tropical region of Africa.
- b) Use the table below to answer the questions.

Month	J	F	M	A	M	J	J	A	S	O	N	D
Temp. °C	25	27	35	32	35	33	28	27	27	26	26	25
R/fall mm	125	110	110	20	19	-	-	-	10	15	80	125

- a) State the climate described by the table above.
- b) Which cash crop is favoured by the above climate?
2. Which activities can be done by a farmer in the month of June, July and August?
- 3.a) Which month is suitable for planting crops or trees?
- b) Give one reason for your answer above.
4. How many rainy seasons are indicated on the table?

Graph showing tropical climate



Questions?

1. Which month was the average rainfall highest?
2. In which month was there no rainfall?
3. What was the lowest average temperature recorded?
4. What relationship do you notice between average rainfall and average temperature?
5. Describe the above climate.
6. How many rainy seasons are shown on the graph?
7. What measures can the government put in a place to modify the above climate?
8. Write down the economic activities in the tropical region.
9. Mention any four countries in Africa with tropical climate.

Date: Wednesday 3rd June, 2020.

Mediterranean Climate Zone

- This region has four seasons spring, summer, autumn and winter.
- The summers are hot and dry.
- The winters are warm and wet.
- This region is found along Northern tip of the continent. (Africa)
- It also covers the south Western tip of the continent (Africa).

NB: Mediterranean climate is also called warm temperate western margin.

Countries that experience Mediterranean climate

- Northern Morocco.
- Algeria
- South Africa (Cape Province)
- Tunisia

Main economic activities carried out

- Agriculture (growing of citrus fruits)
- Tourism
- Mining

Examples of citrus fruits

- Grapes
- Dates
- Oranges
- Lemons
- Tangerines

Characteristics of Mediterranean climate

- Hot and dry summers.
- Warm and wet winters.
- There is moderate rainfall, mainly in winter season.
- This rainfall is brought by westerly winds.

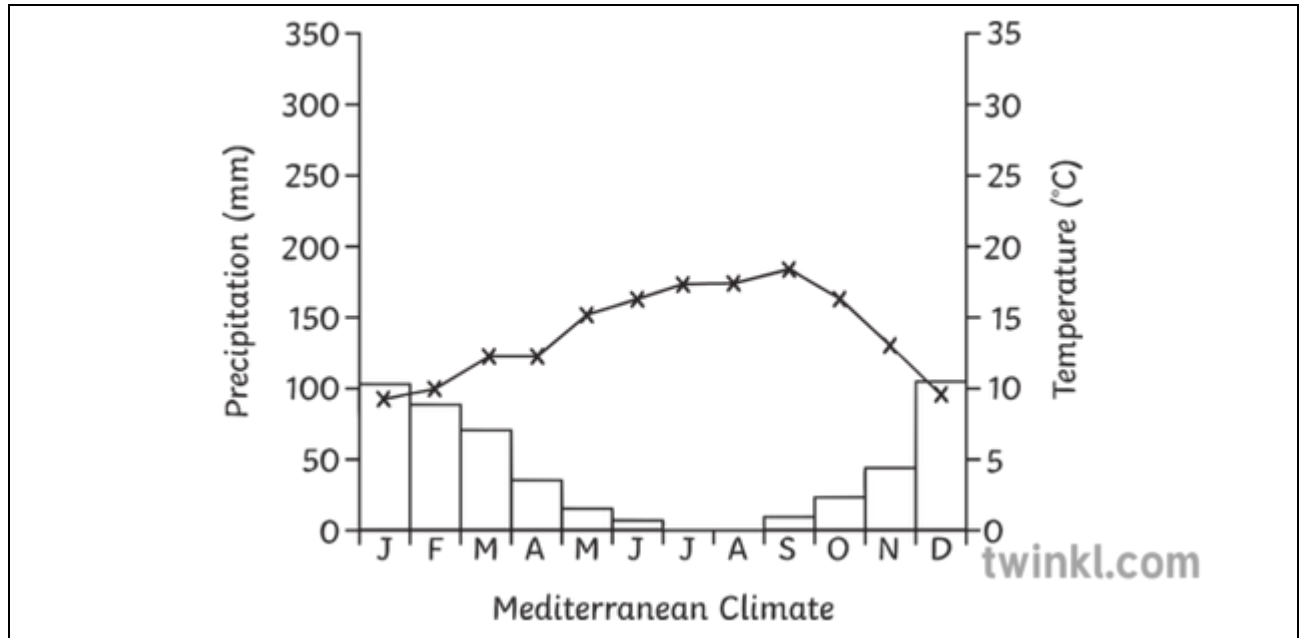
Questions:

1. Describe the following seasons experienced in the Mediterranean climate.
 - a) Summer: The warmest season of the year between spring and autumn
 - b) Winter: The coldest season of the year between autumn and spring
 - c) Spring: The season between winter and summer when plants begin to grow.
 - d) Autumn: The season of the year between summer and winter when the weather becomes colder.

Questions:

1. In which season does Mediterranean region receive rainfall?
2. Mention the fruits grown in the Mediterranean climate.
3. Describe Mediterranean climate.

Graph showing Mediterranean climate



1. In which African country was the above climate recorded?
2. State the type of climate shown in the graph above.
3. Apart from Algeria, mention other three countries with the above type of climate.
4. In which month was the highest temperature recorded?
5. In which way is the rainfall related to temperature according to the graph?
6. State the highest temperature recorded at Algiers.

Date: Thursday 4th June, 2020.

Temperate Climatic Zone

- The climate in this zone is experienced in areas of high altitude between latitudes 20° and 30°.
- This region covers the Eastern part of South Africa to the East of the Drakensberg range
- These parts are referred to as the **velds**.
- They include;
 - Transvaal
 - Natal
 - Orange free stateProvinces
- The temperature ranges between 10°C – 21°C.
- Rainfall range is 500mm – 760mm.

Characteristics of Temperate Climate

- Temperate climatic region has warm – wet summers and cool dry winters.
- This climatic region receives moderate rainfall.
- The temperatures decrease with altitude.

Economic activities carried out in Temperate Climate.

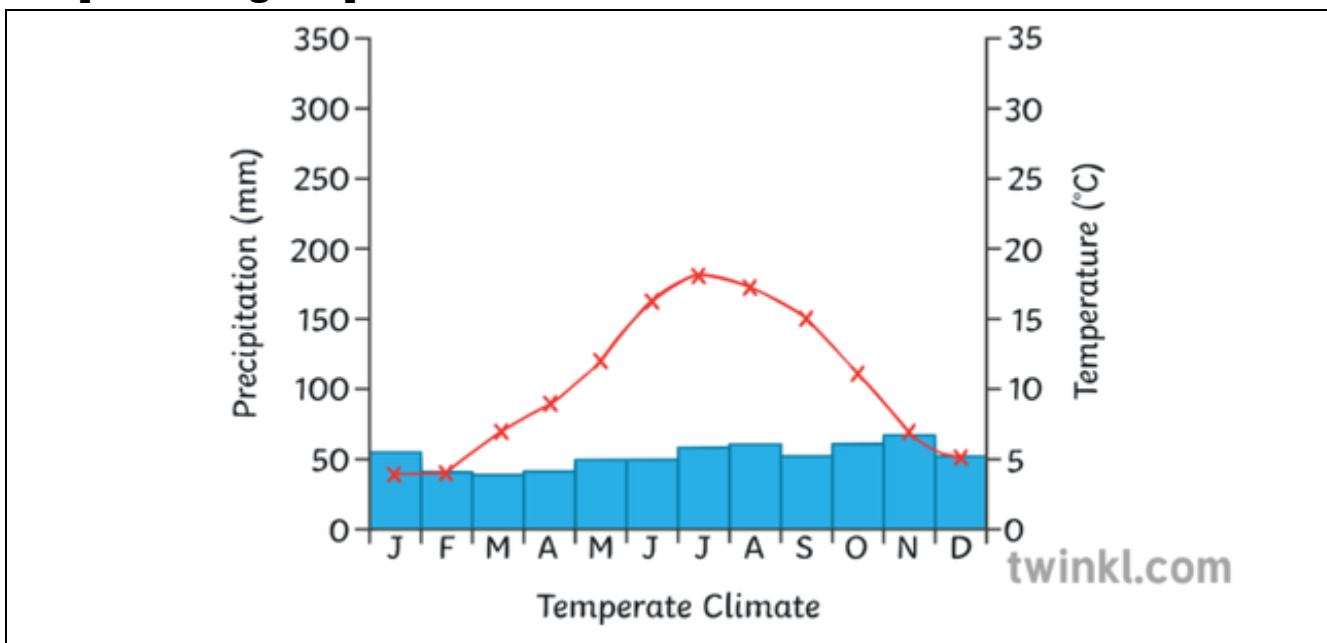
- Farming (crop farming and animal rearing) e.g Merino sheep for wool, Afrikander sheep for meat (mutton), Angola goats for mohair.
- Mining
- Tourism
- Lumbering

Month	J	F	M	A	M	J	J	A	S	O	N	D
Temp. °C	20	30	18	16	13	10	10	13	16	18	18	19
R/fall mm	112	97	75	61	22	9	8	5	35	69	115	111

Question:

1. In which way is rainfall related to temperature according to the table above?
2. State the month with the highest rainfall.
3. What type of climate is described on the table above?
4. In which African country do we find the above climate?
5. Which type of sheep are reared for wool?

Graph showing temperate climate:



1. What type of climate is described on the graph above?
2. Which African country has the above climate?
3. Mention two economic activities carried out in the above region.
4. Why are temperate grassland good for sheep rearing?

Date: Friday 5th June, 2020.

Semi Desert / Desert Climate

- Desert climate is described as hot and dry throughout the year.
- The summers have very hot temperatures and they are dry.
- Deserts lack rainfall because they receive dry winds.

1. **Types of deserts in Africa:**

- i) Marine desert.
- ii) Continental desert.

2. Examples of the above desert.

- a) **Marine:** - Namib desert in Namibia.
- b) **continental:** -Kalahari desert in Botswana.
-Sahara desert in North Africa.

3. Sahara and Kalahari deserts are called continental deserts because they lie inside the continent.

4. The temperature range of desert climate is between 35°C – 50°C.

5. Deserts are very cold at night because there are no clouds to hold the warmth.

6. The people who live in hot desert wear light and white clothes; in order to reflect heat.

7. They build flat topped houses to prevent wind from blowing off the roofs.

8. They wear turbans to prevent heat from the sun.

9. They get water from oases.

10. Deserts are caused by dry winds and cold ocean currents

- Hamarttan winds and North east winds caused the Sahara desert.

- Cold Canary current caused Sahara desert while Benguella currents caused Namib and Kalahari deserts.

- Ocean currents are caused by the earth's rotation and winds.

NB: Farming is made possible in desert areas by practicing irrigation farming.

Economic activities in desert areas

- Tourism
- Mining
- Industrialization
- Farming
- By irrigation e.g. Egypt along R. Nile

Countries which experience desert climate

- Namibia
- Algeria
- Morocco
- Chad
- Southern Tunisia
- Egypt
- Libya

The Monthly Rainfall And Temperature From Namib Desert

Months	J	F	M	A	M	J	J	A	S	O	N	D
Temp. °C	18.5	19	19	18	17	16	16	14	15	14	18	17
R/fall mm	3	3	7.7	3	3	-	-	-	-	-	-	-

Questions:

1. Which months received the same amount of rainfall?
2. What is the total amount of rainfall received in the above area?
3. Give one reason why Namib desert has low temperature.
4. Mention the tourist attractions found in deserts.
5. In which way are oases important to people in desert regions?
6. What enables a camel to be used for transport in deserts?
7. Give two characteristics of desert climate.
8. Describe desert climate.
9. Mention the economic activities carried out in desert regions.

Date: Saturday 30th May, 2020.

Mountain / Montane Climatic Zone

- This climatic zone is experienced in high altitude areas.
- The temperature here reduces with increase in altitude making the higher slopes to experience cool temperature throughout the year.

Montane climate is experienced in the areas below:

- Drakensburg mountains.
- Ethiopian highlands.
- Mt. Kilimanjaro.
- Mt. Rwenzori
- Mt. Kenya

Qn: Write three mountains in Africa which are snow capped.

- i) Mt. Rwenzori
- ii) Mt. Kenya
- iii) Mt. Kilimanjaro

Activity

1. Which type of climate is experienced in the most parts of Africa?
2. Describe Mediterranean climate.
3. Why is Mt. Rwenzori snow capped throughout the year?
4. How have the Harmattan winds influenced the climate of North Africa?
5. Why are desert areas too cold at night and hot during day?
6. What name is given to the Temperate grasslands of South Africa?
7. Name one country in Africa which experiences desert climate.