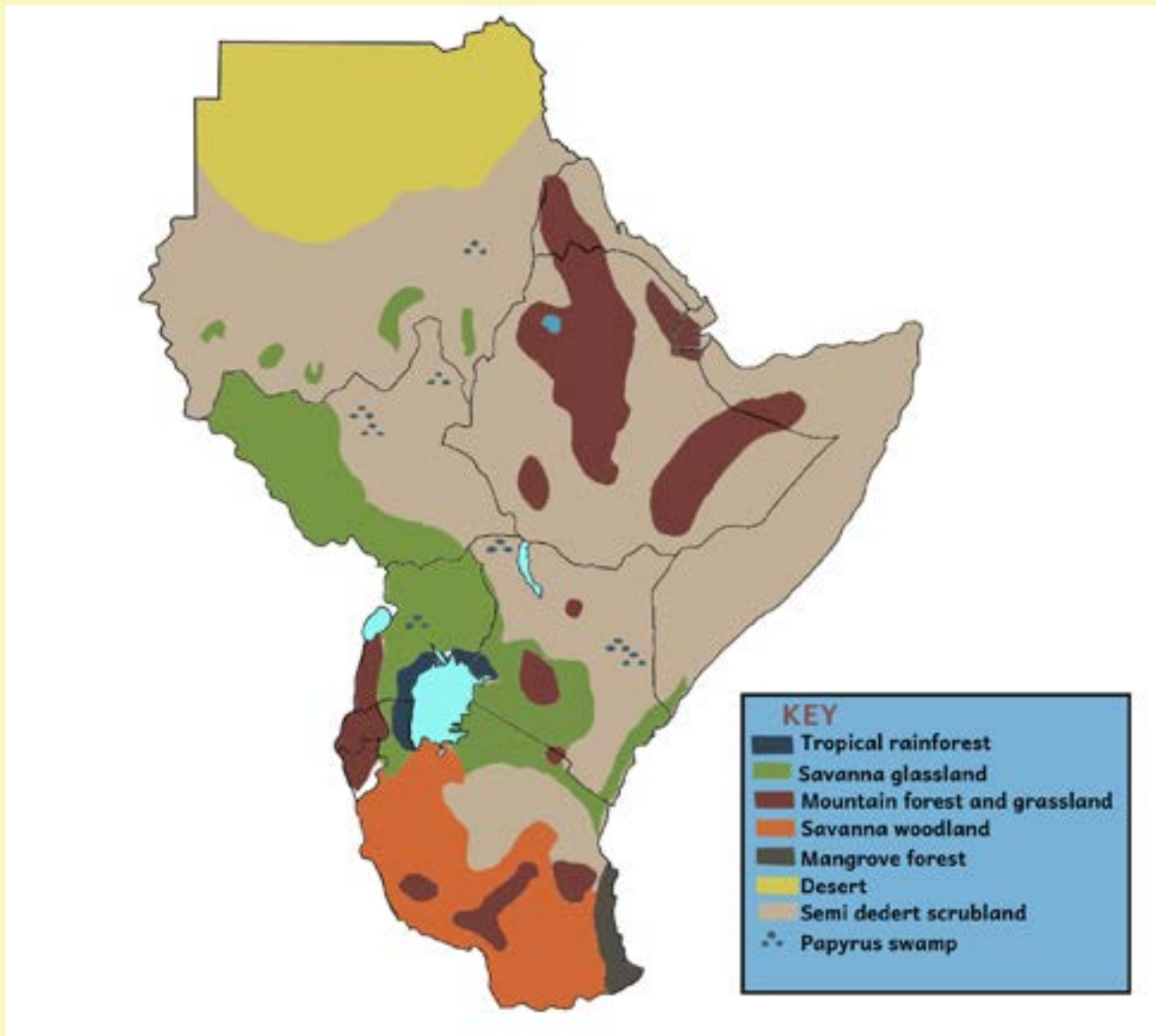


Identify the main climatic regions in Kenya and Eastern Africa

What are the main climatic regions in Kenya and Eastern Africa



ACTIVITY: Watch the following video showing climatic regions of Eastern Africa

Main climatic regions in Kenya and Eastern Africa.

Equatorial Climate (Tropical Rainforest)

- **Location:** Found along the equator in central and western Kenya, parts of Uganda, and the central highlands of Tanzania.
- **Characteristics:**

- ☐ Consistently high temperatures (25°C to 30°C).
- ☐ High humidity (over 70%).
- ☐ High rainfall throughout the year (1500-2500 mm annually).
- ☐ Dense rainforests.

- **Examples:** The central highlands of Kenya (e.g., areas around Mount Kenya) and parts of Uganda.

2. Tropical Savanna Climate (Semi-Arid)

- **Location:** Found in most parts of Kenya (like parts of the Rift Valley and Eastern Kenya) and the lowlands of Ethiopia, Sudan, and parts of Tanzania.
- **Characteristics:**
 - ☐ Distinct wet and dry seasons.
 - ☐ Rainfall varies from 500 to 1500 mm annually.
 - ☐ Warm temperatures throughout the year (25°C to 30°C).
 - ☐ Vegetation is typically grasslands, savannas, or scrublands.
- **Examples:** Areas like Tsavo National Park in Kenya, northern Tanzania, and southern Ethiopia.

3. Arid and Semi-Arid Climate (Desert and Drylands)

- **Location:** Found in the northern and northeastern parts of Kenya, such as Turkana, Marsabit, and parts of eastern Ethiopia and Somalia.
- **Characteristics:**
 - ☐ Very low rainfall (less than 500 mm annually).
 - ☐ Extreme temperatures (up to 40°C during the day, cool nights).
 - ☐ Sparse vegetation (mainly shrubs, desert plants, and occasional drought-resistant trees).
- **Examples:** Parts of northern Kenya, Somali region, and southern Ethiopia.

4. Mountain Climate (Highland Climate)

- **Location:** Found in the highland areas of Kenya, including Mount Kenya, the Aberdare Range, and parts of Tanzania (e.g., Mount Kilimanjaro).
- **Characteristics:**
 - ☐ Cooler temperatures as altitude increases (ranges from 10°C to 20°C).
 - ☐ Moderate rainfall (1000-2000 mm annually).
 - ☐ Forests and grasslands at lower altitudes; alpine vegetation at higher elevations.
- **Examples:** Mount Kenya, Mount Kilimanjaro, and the Aberdare Mountains.

5. Coastal Climate (Tropical Monsoon)

- **Location:** Found along the coastal regions of Kenya, Tanzania, and Somalia.
- **Characteristics:**
 - ☐ High humidity and temperatures (28°C to 32°C).
 - ☐ Heavy rainfall, particularly between March and May (monsoon season).
 - ☐ Dry season between June and September.
 - ☐ Mangrove forests and coral reefs dominate the coastal ecosystems.
- **Examples:** Mombasa, Lamu, and Zanzibar.

6. Mediterranean Climate

- **Location:** Found along the higher-altitude parts of the southeastern coast of Africa, such as parts of southwestern Kenya and coastal Tanzania.
- **Characteristics:**
 - ☐ Mild, wet winters and warm, dry summers.
 - ☐ Rainfall primarily occurs in the winter (June to August).
 - ☐ Average temperatures between 15°C and 25°C.
 - ☐ Vegetation includes scrublands and forested areas.

- **Examples:** The coastal region of southern Kenya near the Tanzanian border.

7. Semi-Tropical Climate

- **Location:** Found in parts of southern Kenya, Uganda, and northern Tanzania, specifically in areas that are not too high in altitude but still experience some rainfall throughout the year.
- **Characteristics:**
 - ☐ Average temperatures of 20°C to 25°C.
 - ☐ Rainfall ranges from 800 mm to 1500 mm annually.
 - ☐ Mixed vegetation, including forests, grasslands, and shrubs.
- **Examples:** Kisii and Nyanza regions of Kenya, parts of Uganda.

8. Highland Tropical Climate

- **Location:** Found in the highland regions of Kenya and parts of Uganda and Tanzania, especially in areas over 1500 meters above sea level.
- **Characteristics:**
 - ☐ Moderate temperatures, ranging between 15°C and 22°C.
 - ☐ Adequate rainfall, typically between 800 mm and 1500 mm annually.
 - ☐ Fertile land supporting agriculture, including coffee and tea plantations.
- **Examples:** The highlands of Kenya, Uganda's western Rift Valley, and parts of Tanzania.

Assessment.

Identify the major climatic regions in Eastern Africa.