

Climates of the World

I. Low Latitude Climates

A. Tropical Wet Climates: Af and Am

- **Almost half the earth's surface is designated a tropical climate.**
- **Area is continuously warm and moist**
- **Any variation of temperature and moisture is due to seasonal migration of sun from the tropic zones (high sun-low sun).**
- **Tropical Wet Climates**
- **Found approximately 10° degrees N & S**
- **Amazon Basin – Congo Basin – Western Pacific & East Indies major rainforest areas**
- **Average Temperature is above 80°F with the maximum range of temperature 10°F**
- **Daily heating and Cooling has led some to say that is the seasons**
- **Rain averages 50 to over 200 inches**

Climates of the World

I. Low Latitude Climates

B. Tropical Wet and Dry Climates: Aw

- **Alternating Wet and Dry**
- **Located 5° to 20° N & S**
- **Heavily Populated Region in Africa and Latin America**
- **Covers 40% Africa Continent**
- **Averages 35 to 70 inches of Rain annually**
- **Precipitation patterns caused by annual migration of sun**
- **Temperatures fall during rainy season- raises when rain ends**

Climates of the World

III. Low Latitude Dry Climates:

C. BWh and BSh

- **Long term evaporation rates exceed precipitation.**
- **World's Dry Climates generally found in Low and Midlatitude areas, 20° to 30° N & S,**
- **Semiarid areas generally have some precipitation – Arid has none**
- **Subtropical Higs dominate dry areas**
- **Precipitation totals depend high-low sun period.**
- **Areas experience Dry Heat**

Climates of the World

II. (Mesothermal) Mid Latitude Marine Climates

- **Seasonality occurs as one moves pole ward**
- **More Temperate than Low Latitude Climates**

A. Mediterranean Climate or Dry Summer Subtropical: Csa and Csb

B. Marine West Coast: Cfb and Cfc

C. Humid Subtropical: Cfa

-4-

Climates of the World

III. Mid Latitude Dry Climate: BWk and BSk

-5-

Climates of the World

IV. Midlatitude (Microthermal) Continental Climates:

**A. Humid Continental – Warm Summer: Dfa
and Dwa**

**B. Humid Continental – Cool Summer: Dfb,
Dwb**

C. Subarctic: Dfc and Dfd