CLIMATE REGIONS

Based on the Köppen climate classification system

A Tropical rainy climates Mean temperature of all months above 18°C (64.4°F).

Af	Tropical rainforest	No dry season. Driest month has at least 6 cm (2.4 in.) of precipitation.
Am	Tropical monsoon	Driest month has less than 6 cm (2.4 in.) of precipitation. See graph below for division between **Am** and **Aw** climates.
Aw	Tropical savanna	

B Dry climates Potential evaporation exceeds precipitation. See graphs below for boundaries of **B** climates.

BSh, BSk	Semi-arid	**h** – Mean annual temperature above 18°C (64.4°F).
BWh, BWk	Arid	**k** – Mean annual temperature below 18°C (64.4°F).

C Humid mesothermal climates Mean temperature of coldest month below 18°C (64.4°F) but above -3°C (26.6°F). Mean temperature of warmest month above 10°C (50°F).

Cfa	Humid subtropical, no dry season
Cfb, Cfc	Marine west coast
Cwa, Cwb	Humid subtropical, dry winter
Csa, Csb	Mediterranean, dry summer

D Humid microthermal climates Mean temperature of coldest month below -3°C (26.6°F). Mean temperature of warmest month above 10°C (50°F).

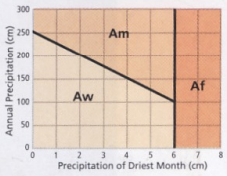
Dfa, Dwa, Dsa	Humid continental, hot summer
Dfb, Dwb, Dsb	Humid continental, mild summer
Dfc, Dwc, Dsc	Subarctic, cool summer
Dfd, Dwd	Subarctic, cold winter

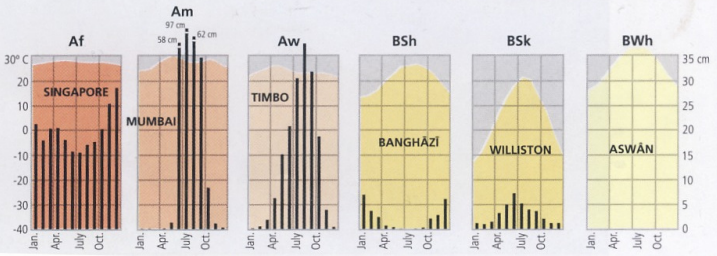
C and D climates:

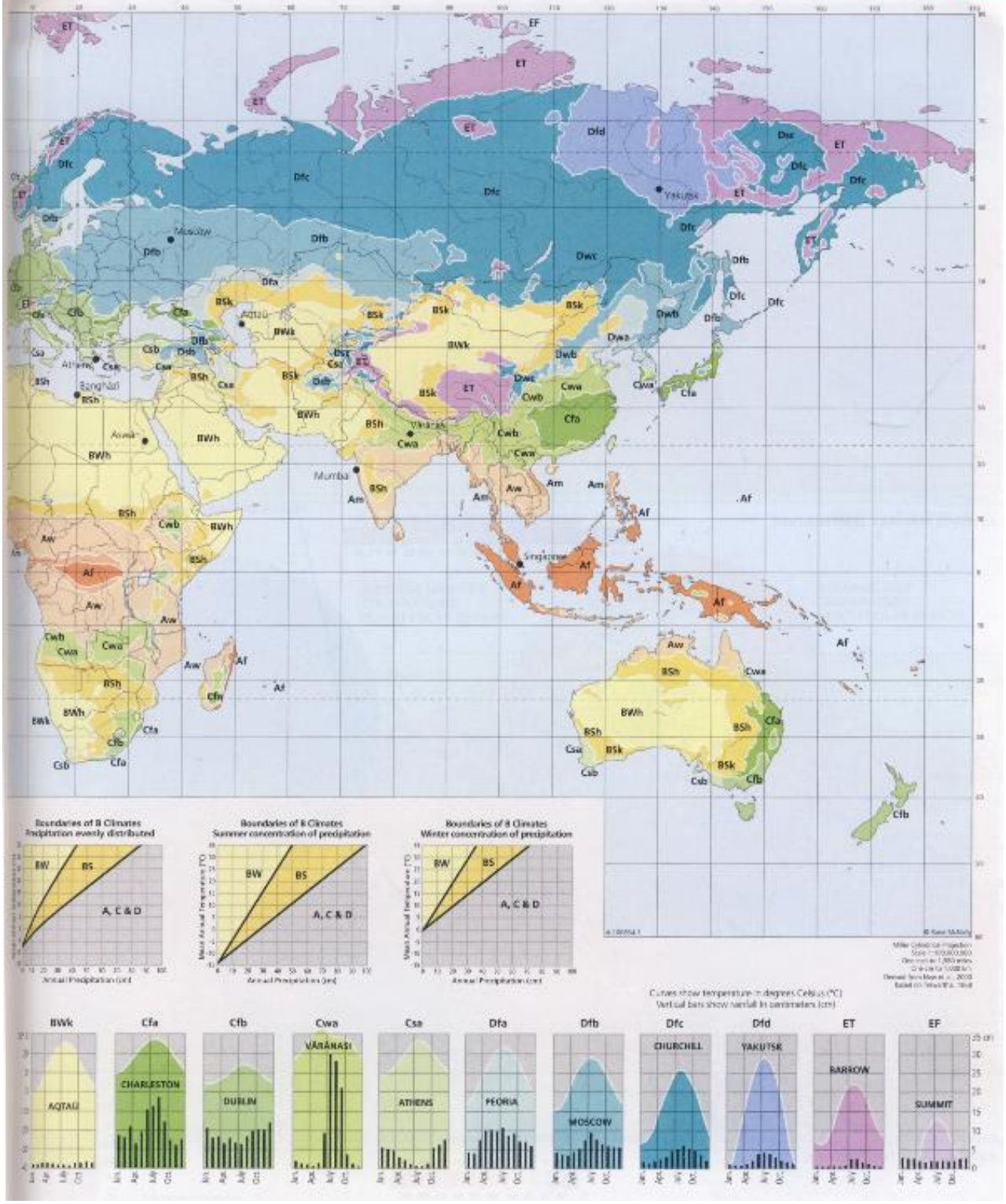
f - No dry season.
s - Dry summer. Driest summer month has less than 33% of the precipitation of wettest winter
w- Dry winter. Driest winter month has less than 10% of the precipitation of wettest summer month.
a - Hot summer. Mean temperature of warmest month above 22°C (71.6°F).
b - Mild summer. Mean temperature of warmest month below 22°C (71.6°F). At least four months with mean temperature above 10°C (50°F).
c - Cool summer. Mean temperature of warmest month below 22°C (71.6°F). Less than four months with mean temperature above 10°C (50°F).
d - (**D** climates only.) Mean temperature of coldest month below -38°C (-36.4°F).

E Polar climates Mean temperature of warmest month below 10°C (50°F).

Boundaries of A Climates






Moscow
Yakutsk
Aqtau
Athens
Beijing
Aswan
Varanasi
Mumbai
Singapore
Boundaries of 8 Climates
Precipitation evenly distributed
Boundaries of 8 Climates
Summer concentration of precipitation
Boundaries of 8 Climates
Winter concentration of precipitation
BW
BS
A, C & D
Annual Precipitation (cm)
Mean Annual Temperature (°C)
Curves show temperature in degrees Celsius (°C)
Vertical bars show rainfall in centimeters (cm)
BWk
Cfa
Cfb
Cwa
Csa
Dfa
Dfb
Dfc
Dfd
ET
EF
AQTAU
CHARLESTON
DUBLIN
VARANASI
ATHENS
PEORIA
MOSCOW
CHURCHILL
YAKUTSK
BARROW
SUMMIT