Dichotomous Key to the Koeppen Climatic Classification System.

- Note: r = total annual precipitation and t = average annual temperature (AAT). All other temperature and rainfall statistics are mean monthly values. Temperature is in degrees Fahrenheit and precipitation is in inches. Example: to calculate r>0.44t-3 where r=100and t = 75 simply multiply .44 x 75 and then subtract 3, i.e. 100 > 0.44(75) - 3 = 30 – the answer is "yes" 100 is greater than 30.
- (1) Warmest month <50°: E (POLAR)...go to (2)
 - (2) Warmest month >32°: ET (TUNDRA)
 (2) Warmest month <32°: EF (GLACIAL)
- (1) Warmest month $>50^{\circ}$: B, A, C, or D (NON-POLAR)...go to (3)
 - (3) >70% of r concentrated in the warmest 6 months...go to (4)
 - (4) r>0.44t-3: A, C, or D (Humid non-polar)...go to (17)
 - (4) r<0.44t-3: B (ARID)...go to (5)
 - (5) r>(0.44t-3)/2: BS (STEPPE)..go to (6)
 - (6) Coldest month >32°: BSh (TROPICAL or SUBTROPICAL
 - (6) Coldest month <32°: BSk (MID-LATITUDE STEPPE)
 - (5) r<(0.44t-3)/2: BW (DESERT)...go to (7)
 - (7) Coldest month >32°: BWh (TROPICAL or SUBTROPICAL (7) Coldest month <32°: BWk (MID-LATITUDE DESERT)
- (3) <70% of r concentrated in the warmest 6 months...go to (8)
 - (8) >70% r concentrated in the coolest 6 months...go to (9)
 - (9) r>0.44t-14: A, C, or D (Humid non-polar)...go to (17)
 - (9) r<0.44t-14: B (ARID)...go to (10)
 - (10) r > (0.44t-14)/2: BS (STEPPE)...go to (11)
 - (11) Coldest month >32°: BSh (TROPICAL or SUBTROPICAL STEPPE)
 - (11) Coldest month <32°: BSk (MID-LATITUDE STEPPE)
 - (10) r<(0.44t-14)/2: BW (DESERT)...go to (12)
 - (12) Coldest month >32⁰: BWh (TROPICAL or SUBTROPICAL DESERT)
 - (12) Coldest month <32°: BWk (MID-LATITUDE DESERT)

- (8) <70% of r concentrated in the coolest 6 months...go to (13)

 (13) r>0.44t-8.5: A, C, or D (Humid non-polar)...go to (17)

 (13) r<0.44t-8.5: B (ARID)...go to (14)

 (14) r>(0.44t-8.5)/2: BS (STEPPE)...go to (15)

 (15) Coldest month >32⁰: BSh (TROPICAL or SUBTROPICAL STEPPE)

 (15) Coldest month <32⁰: BSk (MID-LATITUDE STEPPE)
 - $(14) \ r \! < \! (0.44t\text{-}8.5) \! / 2 \! : BW \ (DESERT) ... go \ to \ (16)$
 - (16) Coldest month >32⁰: BWh (TROPICAL or SUBTROPICAL DESERT)
 - (16) Coldest month <32°: BWk (MID-LATITUDE DESERT)
- (17) Coldest month $> 64.4^{\circ}$: A (HUMID TROPICAL)...go to (18)
 - (18) Driest month with >2.4" rain: Af (TROPICAL RAIN FOREST)
 - (18) Driest month with <2.4" rain: Am, Aw, or As (TROPICAL WET-AND-DRY) ...go to (19)
 - (19) Rain of driest month >(3.94-r/25)": Am (TROPICAL MONSOON)
 - (19) Rain of driest month <(3.94-r/25)"...go to (20)
 - (20) Dry season during period of low sun (winter): Aw (TROPICAL
 - (20) Dry season during period of high sun (summer): As (TROPICAL
- (17) Coldest month <64.4°: C or D (Humid mid-latitude)...go to (21)
 - (21) Coldest month >32°: C (HUMID MESOTHERMAL)...go to (22)
 - (22) Driest winter month with <1/10 rain of wettest summer month: Cw (HUMID MESOTHERMAL WITH WINTER DROUGHT)...go to (23)
 - (23) Warmest month >71.6°: Cwa (SUBTROPICAL MONSOON)
 - (23) Warmest month <71.6°: Cwb (TROPICAL UPLAND)
- (22) Driest winter month with >1/10 rain of the wettest summer month: Cf or Cs...go to (24) 24) Driest summer month with <1.6" of rain, and also with <1/3 rain of wettest winter month: Cs (MEDITERRANEAN)...go to (25)
 - (25) Warmest month >71.6⁰: Csa (MEDITERRANEAN, INTERIOR)
 - (25) Warmest month <71.6⁰: Csb (MEDITERRANEAN, COASTAL)
- (24) Driest summer month with >1.6" of rain, or with >1/3 rain of wettest winter month: Cf (HUMID MESOTHERMAL WITH NO DRY SEASON)...go to (26)

- (26) Warmest month >71.6°: Cfa (HUMID SUBTROPICAL)
- (26) Warmest month <71.6⁰...go to (27)
 - (27) 4 or more months >50°: Cfb (MARINE WEST COAST) (27) 1-3 months >50°: Cfc (HIGH LATITUDE MARINE)
- (21) Coldest month <32°: D (HUMID CONTINENTAL)...go to (28)
 - (28) Driest winter month with <1/10 rain of wettest winter month: Dw (HUMID CONTINENTAL WITH WINTER DROUGHT)...go to (29)
 - (29) Warmest month >71.6°: Dwa (HUMID CONTINENTAL WITH WINTER
 - (29) Warmest month $< 71.6^{\circ}$...go to (30)
 - (30) 4 or more months >50°: Dwb (HUMID CONTINENTAL WITH (30) 1-3 months >50⁰...go to (31)
 - (31) Coldest month >-36.4⁰: Dwc (SUBARCTIC WITH WINTER (31) Coldest month <-36.4⁰: Dwd (SUBARCTIC WITH WINTER DROUGHT BITTERLY COLD WINTERS)
 - (28) Driest winter month with >1/10 rain of wettest summer month: Ds or Df... go to (32)
 - (32) Driest summer month with <1.6" rain, and also with <1/3 rain of wettest winter month: Ds (HUMID CONTINENTAL WITH SUMMER DROUGHT)... go to (33)
 - (33) Warmest month >71.6⁰: Dsa (HUMID CONTINENTAL WITH SUMMER DROUGHT AND LONG HOT SUMMERS)
 - (33) Warmest month <71.6°: Dsb (HUMID CONTINENTAL WITH SUMMER DROUGHT AND LONG WARM SUMMERS)
 - (32) Driest summer month with >1.6" rain, or with >1/3 rain of wettest winter month: Df (HUMID CONTINENTAL WITH NO DRY SEASON)...go to (34)
 - (34) Warmest month >71.6⁰: Dfa (HUMID CONTINENTAL WITH NO DRY SEASON AND LONG HOT SUMMERS)
 - (34) Warmest month $< 71.6^{\circ}$...go to (35)
 - (35) 4 or more months >50°: Dfb (HUMID CONTINENTAL WITH NO DRY SEASON AND LONG WARM SUMMERS)
 - (35) 1-3 months $>50^0$...go to (36)
 - (36) Coldest month >-36.4°: Dfc (SUBARCTIC WITH NO DRY SEASON)
 - (36) Coldest month <-36.4°: Dfd (SUBARCTIC WITH NO DRY SEASON AND BITTERLY COLD WINTERS)

Lewis, P. 1961. The dichotomous keys to the Koppen system. The Source:

Professional Geographer, 13:25-31.