Types of Air Masses:

- mT _maritime (wet)_ Tropical (warm)
- mP _maritime_ Polar (cold)
- cT _continental (dry)_ Tropical
- cP _continental_ Polar
2. What type of air mass effects a tropical rain forest?

- **mT**
- **mP**
- **cT**
- **cP**

Location: close to equator

Moisture: > 250 cm/yr

Places like the Amazon River basin in South America
What type of air mass effects a tropical desert?

mT mP cT cP

Location: 20° - 30° latitude
Moisture: 25 cm/yr

Places like the Sahara and northern Mexico
What type of air mass effects a tropical savanna climate zone?

- mT
- mP
- cT
- cP

Location: 20° - 30° latitude
Moisture: wet summers & dry winters

Places that border the rain forests in South America & Africa, also northern Australia
What type of air mass effects a subarctic climate?

- mT
- mP
- cT
- cP

Location: 35° - 50° north latitude

(no land at this latitude in the southern hemisphere!)

Moisture: 25-50 cm/yr

Places like Alaska
What type of air mass effects a tundra climate zone? 

- mT  mP  cT  cP

Location:  55°+ latitude
Moisture:  25 cm/yr

Places like northern Alaska
What type of air mass effects a marine west-coast climate zone?

- mT
- mP
- cT
- cP

Location: 40° - 60° latitude
Moisture: 60-150 cm/yr

Places like the coastal areas of California, Oregon and Washington.
What type of air mass affects a Mediterranean climate zone?

Location: 30° - 40° latitude
Moisture: 40 cm/yr (all during winter)

Places like central and southern California
What type of air mass effects a middle latitude desert and steppe climate zone?

\[\text{mT} \quad \text{mP} \quad \text{cT} \quad \text{cP}\]

Location: 35° - 50° latitude
Moisture: >25 cm/yr

Places that are high plains (over 4,000 ft) like western South Dakota, Wyoming & Montana
What type of air mass effects a humid continental climate zone? 

mT  mP  cT  cP

Location: Kansas to ND to Maine
Moisture: >75 cm/yr

Places like Iowa
What type of air mass effects a humid subtropical climate zone?

\[ mT \quad mP \quad cT \quad cP \]

Location: Oklahoma to DC and south
Moisture: 75 - 165 cm/yr

Places like the Ozarks and the Everglades
What type of air mass effects a tropical savanna climate zone?

- mT
- mP
- cT
- cP

Location: 20° - 30° latitude
Moisture: wet summers & dry winters

Places that border the rain forests in South America & Africa, also northern Australia
What type of air mass effects a subarctic climate?

- mT
- mP
- cT
- cP

Location: 35° - 50° north latitude

(no land at this latitude in the southern hemisphere!)

Moisture: 25-50 cm/yr

Places like Alaska
What type of air mass effects a tundra climate zone?

mT mP cT cP

Location: 55°+ latitude
Moisture: 25 cm/yr

Places like northern Alaska
What type of air mass effects a marine west-coast climate zone?

-mT  -mP  -cT  -cP

Location: 40° - 60° latitude
Moisture: 60-150 cm/yr

Places like the coastal areas of California, Oregon and Washington.
What type of air mass effects a Mediterranean climate zone?  

- mT  mP  cT  cP  

Location: 30° - 40° latitude  
Moisture: 40 cm/yr (all during winter)  

Places like central and southern California
What type of air mass effects a middle latitude desert and steppe climate zone?

- mT
- mP
- cT
- cP

Location: 35° - 50° latitude
Moisture: >25 cm/yr

Places that are high plains (over 4,000 ft) like western South Dakota, Wyoming & Montana
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mT  mP  cT  cP

Location: Kansas to ND to Maine
Moisture: >75 cm/yr

Places like Iowa
What type of air mass effects a humid subtropical climate zone?

- mT
- mP
- cT
- cP

Location: Oklahoma to DC and south

Moisture: 75 - 165 cm/yr

Places like the Ozarks and the Everglades
# 3  Draw in the average daily temperatures from page 524
# 4 What is the temperature in northern Alaska in January or July?

\[(C \times 1.8) + 32 = F\]
Due Today
World Climate Zones Map
All Unit 7 terms (31)