

**22-1 “Factors that Affect Climate”**

*Terms to know*

1. climate
2. latitude
3. prevailing westerlies
4. El Niño
5. monsoon
6. topography

*Concepts to know*

1. Understand how latitude affects the temperature of a region.
2. Understand the formation of *global wind belts*. (key terms: *doldrums*, *subtropical highs*)
3. Understand how differences in the *heat capacity of land vs. water* influence temperature and precipitation.
4. Understand the formation of a *rain shadow* desert.

**22-2 “Climate Zones”**

*Terms to know*

1. tropical climate

2. mid-latitude climate
3. polar climate
4. microclimate

*Concepts to know*

1. Understand how climate types can vary within a climate zone. (Tables 1-3)
2. Know which climate zone and sub-climate we live in.

**22-3 “Climate Change”**

*Terms to know*

1. climatologist
2. paleoclimatology
3. general circulation models (p. 616)
4. global warming

*Concepts to know*

1. Understand how climate proxies are used to study past climates.
2. Understand how the three orbital changes described in Milankovitch theory affect climate change.
3. Understand how humans affect climate change, and what we can do to combat this change.