**Part 2 – Temperature**

1. Zones of Latitude

* The tilt of the Earth’s axis makes different areas of the planet receive different amounts of direct sunlight
* This makes some regions of the planet warmer than others
* **Polar Zone** –
* Also called high latitudes
* Sun is below the horizon part of the year and near the horizon the rest of the year
* Temperatures are very cold for most of the year
* **Tropics** –
* Also called low latitudes
* The sun remains overhead for most of the year, making temperatures very hot
* **Temperate Zones** –
* Also called middle latitudes
* Between the Tropic of Cancer and Arctic Circle in the Northern Hemisphere
* Between the Tropic of Capricorn and the Antarctic Circle in the Southern Hemisphere.
* Hot summers, cold winters, and moderate spring and fall

B. Seasonal Changes

* Temperature patterns occur from season to season due to the tilt of the Earth on its axis
* Seasons in one hemisphere are opposite in the other
* **Altitude** –
* The higher the altitude, the lower the temperature