**Weather and Climate ….. Chapter 1 Vocab. – SECTION 2**

1. radiation – the transfer of energy ***as electromagnetic waves***

 (Earth only receives two-billionths of this energy.)
2. thermal conduction – the transfer of energy ***as heat through a material***
 (Is always transferred from war to cold areas ………..
 warm surface of Earth atmosphere)
3. convection – the transfer of thermal energy by the circulation or movement of a liquid
 or gas (Most thermal energy in atmosphere is transferred by \_\_\_\_\_\_\_\_\_.)
4. convection current – the ***cycle***of warm air rising and cool air sinking
5. Greenhouse Effect – process where atmospheric gases absorb thermal energy and
 radiate it back to Earth.

 (atmosphere like a blanket **OR** glass walls/roof of greenhouse
 trapping solar energy preventing it from escaping)
6. radiation balance – balance between incoming energy and outgoing energy
7. global warming – a gradual increase in average global temperature

 (human activity like burning fossil fuels & deforestation may increase
 levels of greenhouse gases that absorb thermal energy)