* 1) Difference between climate and weather
* climate – weather conditions in a area over a long period of time
* weather- current atmospheric conditions at a place and time
* 2) What are the climate controls? Name three
  + factors that produce our weather over day to day
  + Latitude
  + By water
  + Elevation
  + Prevailing winds
  + Ocean currents
* 3) What is the basis for the Koeppen method of climate classification
  + Assumed plant life or vegetation is related to the climate
* 4) List the 5 major categories for K method
  + Tropical
  + Mid-Dry
  + Moist Mild winter
  + Moist Severe Winter
  + Polar
* 5) What is a Climograph?
  + Graphical representation of temperature and precipitation
* 6) Give an example of one place in the world and it’s climate and it’s Koppen classification
* 7) What is a thunderstorm?
  + It’s a convective storm that contains thunder and lighting
* 8) What are the three necessary ingredients for a thunderstorm?
  + Moisture
  + Instability / Unstable atmosphere
  + Lifting mechanism
* 9) What state in the US has the most thunderstorms?
  + FL because its located near the warm waters and it has a lifting mechanism called convergence.
* 10) What are some(3) of the characteristics of a Ordinary Cell Thunderstorm?
  + Not very severe
  + do not form near frontal boundaries
  + Predictable
  + occur mostly on warm humid days
* 11) What are the three stages in the life of an Ordinary Cell Thunderstorm?
* 12) Fuel and spark of a thunderstorm and what causes it dissipate?
  + warm, moist air
  + spark – RECC
  + dissipate –
* 13) What is the main factor of the formation of multi-cell thunderstorms?
  + Wind Shear
* 14) Squall line?
  + Is a big long line of multi-cell thunderstorms
* 15) What is a bow echo?
  + It’s a bow shaped squall line
* 16) What is a Derecho?
  + It’s a straight line wind storm, comes from a squall line
* 17) What are 5
  + hail
  + damaging winds
  + floods
  + tornados
  + lighting
* 18) What is lightening?
  + Flash of light caused by electrical discharge?
  + What is it’s origin, rubbing of ice crystals and hail stones
* 19) If you see lightening and then hear thunder 10 sec later
  + 2 miles

20) What is the definition of a tornado? What is thought to be a key factor for it’s formation?

* + It’s a violently rotating column of air, extending down from culmus cloud
  + Touches the ground
  + forms around a low pressure
* 21) What is thought to be the reason why tornadoes are
  + dry line fronts,
  + moist and dry lines front meet
* 22) What is the definition of a hurricane?
  + Intense cyclone on tropical waters
* 23) What are 2 other names for hurricanes that are commonly used in other parts of the world?
  + Cyclones
  + Typhoons
* 24) What are the 1`st 2 stages
  + Tropical storm and Tropical depression
* 25) What are through to be necess
  + Warm water
  + Corelis force
  + Weak winds aloft
* 26) What is the fuel and spark for a Hurricane. What causes it to dissipate?
  + warm water – forms
  + converaging winds –spark
  + over land / shallow water – dissipate
* 27) What are 2 characteristics each for a hurricane eye and a hurricane eye wall?
  + Eye = lowest pressure, calm winds
  + eye wall – Ring of instense thunderstorms, intense precipitation, higher winds speeds.