**HEE: study guide: clouds, weather, landforms, glaciers, weathering, etc.**

* **Clouds**
  + **Know basic forms, elevations that are typical**
    - **E.g. cumulus low altitude, cirrus high altitude**
    - **Cumulonimbus are for thunderstorms**
    - **Consider how a warm front moves in and moves developing clouds for upcoming rain**
* **Weather**
  + **Recognize fronts on a weather map, be able to label**
  + **Read a weather map**
    - **Wind direction, velocity**
    - **Cloud cover**
* **Climate**
  + **What would we expect to be major determinants of types present?’**
    - **Rainfall, topography, vegetation, how far from a coast/currents, etc.**
    - **General patterns**
* **Landforms**
  + **Soil profile**
    - **Major horizons, what they represent**
    - **What makes up typical soil?**
    - **Three major types (pedalfer, pedocal, laterite)**
  + **Erosion: How? Why? Effects….**
* **Running water**
  + **Water cycle…really goes without saying, no?**
  + **Pathways**
    - **Consider differences between braided rivers and meandering river**
    - **River basins…drainage is key**
  + **Springs**
    - **Hot springs, artesian springs, geysers**
* **Glaciers**
  + **Types? Where?**
    - **Landforms unique to glaciers: aretes, cirques, horns, hanging valleys/waterfalls, moraines, kettles, drumlins and eskers**
  + **Deserts**
    - **Types? Where?**
    - **Have some sense of dune types**
    - **Basin and range topography**