**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**