**ICES Worksheet**

**Geology: Processes, Minerals, and Soils**

Using your ICES disk – go to Chapter 9 (Geology: Processes, Minerals, and Soils)

* READ each section summary (9-1 through 9-9)
* You are responsible for **all** vocabulary terms so if you don’t know what something means LOOK IT UP! You can use the glossary function. \*(Also - see the upper right menu for an on-line link to “flash cards” for the chapter….printable vocabulary)
* Answer these questions using the interactive figures at the top of the page (where the hands are)
1. Geologic forces:
	1. Where are the plates moving apart?
	2. What is this moving apart called?
	3. Where are plates colliding?
	4. What do pressures at colliding plate margins cause?
2. Plate margins:
	1. List all of the plates shown
	2. Identify any two plates where there is a convergent boundary.
	3. Identify any two plates where there is a divergent boundary.
	4. Identify any two plates where there is a transform boundary.
3. Soil profiles:
	1. Describe the soil profile of a deciduous forest.
	2. Describe the soil profile of a tropical rain forest.
	3. Describe the soil profile of a coniferous forest.
	4. Describe the soil profile of a grassland.
	5. Describe the soil profile of a desert.
4. pH :
	1. What does the pH scale measure?
	2. For each of the twelve substances – list the name; identify if it is an acid or a base; then give the pH value for it. (Put them in order left to right, then top to bottom)