**Geography 12**

**GEOGRAPHY 12**

**LAB #2**

# EARTHQUAKES

Purpose-To determine the location, causes, and effects of earthquakes on Earth

1. Using the world map provided, shade in the areas that are the sites of the most active earthquake regions. How do these areas correspond to the sites of the most frequent volcanic activity?-***need title, key, neat shading***
2. Define focus and epicenter and explain the relationship between these and the strength of the earthquake felt.
3. The earthquake in Mexico City in 1986 was very devastating. What plates were involved inn this quake and how do they interact?-*Chasmer*
4. What reasons could you give that might explain why a similar strength quake in our region might not cause the same devastation?- ***Compare geological, social, and economic factors***
5. What type of fault is the San Andreas Fault? Why is the fault not always sliding smoothly? - a diagram would help your explanation.
6. Besides the physical damage to the surface structures of all types, give examples of other hazards and problems with the aftermath of a major quake.-***need 3***

***7.*** Describe the Mercalli scale used in measuring earthquakes. Give the number scale used and give some examples of what the numbers mean.