**CalNat Assignment ~ Class 3 ~ Chapter 7**

**Energy & Global Issues**

1. Forms of energy:

a. Define Potential and Kinetic Energy

b. Explain the sources from which the energy on earth is derived

2. Climate change:

a. Explain three examples of global warming's projected impacts in California

3. Agriculture issues:

a. According to the UC Sustainable Agriculture Research and Education Program (SAREP), what are some of the significant costs caused by conventional farming methods?

b. What are four practices the EPA lists that can increase carbon storage in agriculture?

 c. Explain the ecological concerns that can be triggered by agricultural water use.

4. Air quality:

a. Explain three types of pollutants that impact air quality.

5. Solid waste:

 a. How can individuals and businesses reduce solid waste output?

6. Calculate your carbon footprint: on page 215 of the handbook there are 2 websites listed to calculate your carbon footprint. After you have your results list any action items you could take to reduce your own impact.

**Ongoing Evaluation**

• What has worked well so far (how did registration process go, was the website helpful, etc)?

• Opportunities for change?

• Anything else?

Your name: