**EAS 375**

**Spring 2012**

**Lecture questions - Energy**

**1. There have been a series of energy crises in the past. What were the causes of these crises?**

The availability of a product ( i.e.: wood, whale oil) goes down.

**2. How did Thomas Edison affect the use of oil at the end of the 19th century?**

Edison created the electric light bulb, which replaced kerosene lamps. That is the first use of oil (lighting).

**3. What was Henry ford’s role in the use of oil at the beginning of the 20th century?**

His made created a new demand for oil with gasoline (cars).

**4. Why did OPEC pattern itself after the Texas Railroad Commission?**

Because TRC avoided a collapse of the industry.

**5. Why did Europe and Japan switch from coal to oil after World War II?**

Needed more energy.

**6. After the energy crisis at the beginning of the 1970’s, why did the United States fail to make change in our use of oil?**

Because the government intervention isolated the American public from the real world, and no need to conserve.

**7. What is meant by sources based units of energy?**

The content is based on weighted averages of fuels consumed in U.S.

**8. What is meant by the phase “oil equivalents” when discussing energy?**

**9. Energy usage may be divided into two categories. What are these two categories?**

Locomotion and electrical generation