**EAS 375**

**Spring 2011**

**Lecture questions**

**Lecture 1 – Introduction**

**1. What is meant by growth?**

Expansion of supply and demand of products that forms the foundation of our society.

**2. Who was Thomas Malthus and what idea did he formulate about resource use versus population growth?**

He published “Essay on the Principle of Populations”. Life is a struggle, only the fittest survive. Resource: arithmetic growth, but population is geometric.

**3. What role does population growth mean to our use of energy?**

We need more energy as population grow.

**4. Why has population growth during the last 200 years defied Malthusian principles?**

Cheap and abundant energy: oil and coal.

**5. What is Jarvon’s Paradox?**

Technological progress that increases efficiency in which a resources is used tends to increase the rate of consumption of that resource.

**6. What is the difference between political and energy time?**

Political time is short range (2, 4 , 5 years, election cycle); energy time takes a decade cycle (long term planning and building).

**7. Why is the media so inept at reporting energy news?**

Reporters have low or no knowledge of how science and how it works; it has to fit into 30 seconds; and the media can be biased.