**EAS 375**

**Spring 2012**

**Lecture questions 1 – Introduction**

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

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

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

He published “Essay on the Principle of Populations”. Life is struggle, and only the fittest survive.

Resources: arithmetic growth, but population is geometric.

1. **What role does population growth have on our use of energy?**

We need more energy as population grows.

1. **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 increase efficiency in which a resource is used tends to increase the rate of consumption of the 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 time (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;

media can be biased.