

EEOS 120 Study List 3

- 1.) What is household solid waste composed of? Where does it go? How can we reduce solid waste? Where does hazardous waste go? Explain why reduce, reuse, recycle can help reduce waste.
- 2.) What are our main sources of energy in the US currently? Why will this change in the future? What are 5 alternative energy sources, their advantages and disadvantages?
- 3.) What is an ecological footprint? What are some elements of a sustainable society?
- 4.) Give 5 examples of conservation of mass that were discussed in this course. Give five 5 examples of conservation of energy. Describe 5 systems-what is inside and outside of each system? Describe 3 ecosystems, their biotic and abiotic factors, and how individual and groups of organisms interact.
- 5.) Where does our water come from? Where does it go? What are the major uses of water in your household?
- 6.) How do you measure household energy usage? How does usage in the US compare with other countries? What is a therm? How can you convert different energy units such as therm, gallon of gasoline, kilowatt-hour?
- 7.) How long will petroleum reserves last? How long will coal reserves last? What are some options for producing energy that do not emit CO₂?
- 8.) How do you define sustainability?
- 9.) What are ecosystem goods and services? How do you place a value on these (\$)?