**Environmental Science**

Chapter 17 Review – Nonrenewable Energy

* Why are fewer nuclear plants being built today vs. 40 years ago
* What gasses are released into the air when fossil fuels are burned for energy use?
* How do electrical generators work?
* How are oil and natural gas formed?
* What happened inside the combustion chamber of a coal fired power plant?
* Most of the energy consumed in the United States is used for what purpose?
* The energy needs for the US in the 1990’s (rose dramatically, rose slightly, fell dramatically, fell slightly)
* Know what a nuclear reactor is surrounded by and why it is
* What is formed from the splitting of an atoms nucleus
* Nuclear fusion takes place at extremely \_\_\_\_\_\_\_\_\_\_\_\_\_temperatures
* Where should we store nuclear waste
* Fossil fuels energy came from carbon containing plants or organisms that gained their energy from the \_\_\_\_\_\_\_\_\_\_\_
* How is electrical energy generated in a coal fired power plant
* What country uses the least amount of energy per person? Argentina, Japan, or United States?
* How is Coal formed?
* What is an advantage of using fossil fuels for energy?
* How can we predict future oil production?
* Describe the process of nuclear fission
* How many pipe circuits are in a nuclear power plant and where do they circulate
* List advantages of nuclear energy
* Where is most of the oil and natural gas in the United States located?
* Is oil production increasing? Slowly ?
* Where are the lowest gasoline taxes in the world located?
* Around what geological features is oil found?
* Define oil reserve
* Define oil deposit
* How strong are the bonds that hold the nucleus together compared to the chemical bonds between atoms
* What do the control rods do in a nuclear reactor?
* What % of nonrenewable energy comes from methane
* Know the two grades of coal and which burns cleaner