Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 8th Grade Earth Science

**Chapter 5 Study Guide Topics**

**Section 1: Nonrenewable Energy**

* Definition of energy
* What nonrenewable energy is
* The types of nonrenewable energy
* Uses of fossil fuels
* Three types of coal (in order)
* What each coal looks like
* 2 types of mining processes
* Pictures of coal formation process
* Pros and cons of fossil fuels
* Definition of fission

**Section 2: Renewable Energy**

* What renewable energy is
* 5 types of renewable energy
* What solar cells are
* Advantages & Disadvantages of Solar Energy
* Definition of a windfarm
* Advantages & Disadvantages of Hydroelectric
* Definition of biomass energy
* Advantages & Disadvantages of Biomass
* Definition of inexhaustible
* Pros and Cons of renewable energy

**Section 3: Mineral Resources**

* What a mineral resource is
* Two types of mineral resources (nonmetallic and metallic)
* Examples of metals from minerals
* Requirements to be an Ore
* Definition of concentrating
* Definition of Refining
* Definition of smelting
* Definition of gangue
* Two groups of nonmetallic minerals
* Examples of uses of nonmetallic minerals
* Recycling & its advantages