

## GL10B Nuclear Energy

### I. Characteristics of Energy Sources

- A. Renewable or Nonrenewable
- B. Diffuse or Concentrated
- C. Distributed Evenly or Variably
- D. Constant or Variable in Time
- E. Transportable or Stationary
- F. Polluting or Non-polluting

### II. Nuclear Energy

- A. Characteristics
- B. Uses

### III. Nuclear Reactors

- A. Fission Reactors
- B. ?Fusion Reactors

### IV. Uranium Fuel

- A. Uraninite
  - 1. Igneous Occurences
  - 2. Ancient Placer deposits
- B. Secondary Minerals (carnotite)
- C. Fuel Processing and Enrichment
  - 1. Yellowcake
  - 2. U235

### V. Waste and Disposal

- A. Mine Waste
- B. Fuel Rods
- C. Decomissioned Power Plants
- E. Disposal Sites
  - 1. Shielding
  - 2. Geologic Siting
    - 1. Salt Mines.
    - 2. Deep Igenous or Metamorphic Rocks

## Nuclear Fuel Cycle

