EXAM SIX EXPECTATIONS

ENVIRONMENTAL SCIENCE EXAM SIX
"Part II: Impacts of Population Growth"

STATE the endangered species act
STATE the main pollutant from smelting and the cause of acid some acid precipitation
STATE the fate of mine tailings
STATE the percentage of land currently used for agriculture
STATE the percentage of land that make up cities
STATE the percentage of the U.S. population that lives in cities
DEFINE habitat corridors
DEFINE suburban sprawl
DEFINE gentrification
DEFINE brownfield
DEFINE tailings
DEFINE smelting
LIST reasons for the importance of fisheries
LIST traits of sustainable development
LIST things that are and are not apart of a cities infrastructure
LIST common fishing method that has been banned but continues illegally currently illegally
LIST environmental impacts of mining
LIST historical events that have led to increased urbanization
LIST negative environmental impacts of deforestation
LIST the three most endangered ecosystems in the United States
IDENTIFY the most source that educates the public and politicians on the importance of biodiversity
IDENTIFY minerals with their uses today (use list from text or powerpoint)
IDENTIFY the locations globally where each mineral is most concentrated/mined
IDENTIFY metal and nonmetal minerals
IDENTIFY tree harvesting techniques from a written description
IDENTIFY physical and chemical characteristics of metals and nonmetals
OUTLINE phytoremediation
OUTLINE mineral resources
OUTLINE the importance of fungi and bacteria to humans
OUTLINE the importance of insects to humans
OUTLINE the benefits of compact development
OUTLINE ecosystem services provided by forests
OUTLINE problems faced by most cities (globally and nationally)
OUTLINE the effects of urban heat islands
DESCRIBE public planning of land use
DESCRIBE aquaculture farming
DESCRIBE the relationship between overgrazing and desertification
DESCRIBE habitat corridors
COMPARE problems in cities of both developing and developed countries
COMPARE surface mining and subsurface mining
COMPARE mineral resources and their use between developed and developing countries
COMPARE rocks and ores
COMPARE mineral resources and mineral reserves
EXPLAIN the role(s) of forests in the hydrological cycle
EXPLAIN clear cutting and its effects
EXPLAIN corn blight (1970's) and how was brought under control
EXPLAIN the importance of tropical rain forests to the global ecology
EXPLAIN the relationship between tress and climate change
EXPLAIN/PREDICT the current growth of aquaculture both now and in the future
DISCUSS transportation's effect on cities spatial layouts
DISCUSS the energy costs associated with mineral production

DISCUSS the pros and cons of urbanization
SUGGEST how Kalundorg, Denmark is similar to an ecosystem