Define the term climate. Discuss at least three primary differences between Earth’s climate change and global warming.

Why does climate change? Discuss natural cycles that may alter Earth’s climate, to include: solar forcing, volcanic forcing, and variations in Earth’s orbit. Contrast the effect of anthropogenic forcing.

Expand on your knowledge regarding alternative, renewable sources of energy. List and discuss one positive and one negative impact regarding the use of that alternative source.

Discuss the future use and at least two environmental impact associated with each of the following: coal, hydrocarbons (oil and gas), and methane hydrate.

Discuss the term sediment pollution. Discuss at least two environmental problems associated with soils affected by activities influencing the pattern, amount, and intensity of surface-water runoff, erosion, and sedimentation. Be sure to discuss land-use activities such as: agriculture, urbanization, and off-road recreation.

Discuss soil engineering properties in detail. Choose at least three to address in depth. How might each of these properties affect construction and engineering in an area?

Discuss in detail the three major factors that the global community should focus on in order to avoid an environmental crisis in the future (as argued by Lester Brown).

Humans need to appreciate and understand the geologic aspects of environmental health. Define the terms disease and health. Discuss in detail at least two aspects regarding the geologic or geochemical environment associated with health risks to humans. Be sure to address the cause and effect.