1. Why is the troposphere more developed over the equator than at the poles?

2. List three variable gases that are also considered “Greenhouse” gases present in the atmosphere.

3. What three gases can absorb shortwave radiation?

4. Which layer of the atmosphere contains the most water vapor and why?

5. In the carbon cycle list four major sources that can release carbon dioxide into the atmosphere.

6. In the carbon cycle list three major sources that can remove carbon dioxide in the atmosphere.

7. Which two countries have the world’s largest coal reserves?

8. Which country is the largest consumer of coal?
   The second largest consumer of coal?
   Where does the U.S. rank in the world as a consumer of coal?

9. Which country has the largest petroleum reserve in the world?
   The second largest petroleum reserve in the world?

10. What are three sources for methane: