Guided Notes about Conventional Energy Resources (26.1)

1. The _______ is the ultimate source of the energy that humans use.

2. Whatever solar energy that is not used right away by green plants is _________. When consumers eat producers, they use this stored energy for ________________________.

3. Traditional sources of energy, such as ______ and ______, are derived from producers such as plants. When organic materials are burned, the energy stored in them is ________________.

4. The energy to make heat, provide light, and to cook food is provided by __________, which are ____________________________.

5. Examples of traditional fuels include __________________________________. Fuels derived from living things are called ______________________. The most important of these is wood.

6. The need to use wood as a fuel has led to ______________________ in many areas of the world. This demand for wood has led to the complete removal of forests and the erosion and loss of _________.

7. __________________________________ often meets the energy needs of people in developing countries with limited forest resources.

8. Use the space below to describe how peat forms in a bog:

9. Fossil fuels, such as peat, are __________________________

   that formed over geologic time as a result of __________________________.
10. Fossil fuels are considered nonrenewable because ____________________________.

11. Fossil fuels include ____________, ____________, and ________________. The high concentration of carbon and hydrogen in fossil fuels makes them ____________________________ energy sources. Most industrialized countries, including the U.S, use them to fuel ____________________________.

12. The three classes of coal are:

13. When bituminous coal burns, it releases _______________ and _______________ and _______________ into the atmosphere, which causes ____________________________.

13. The term petroleum refers to natural _______________ found underground and on Earth’s surface. Crude oil is refined into a variety of products, such as ____________________________.

14. Crude oil and natural gas migrate ____________________________ and ____________________________ from their place of formation, moving through the pores of ____________________________ such as limestone and sandstone. These pores are the _______________ _____________ in which crude oil and gas ____________________________.