

## Chapter 11

### Conventional & Sustainable Energy

#### Review Questions

1. Which one of the following is not a renewable source of energy?  
- A. Nuclear
2. Coal, oil, and natural gas are created \_\_\_\_\_ and contain the remains of \_\_\_\_\_.  
- A. over millions of years; algae and plants
3. Which one of the following is a consortium of oil-producing countries that hold a significant portion of the world's oil reserves (and thus influence global oil prices)?  
- B. OPEC
4. About 44% of the electricity in the US is produced from \_\_\_\_\_. It produces about twice as much CO<sub>2</sub> as an equivalent amount of \_\_\_\_\_.  
- E. Burning coal; natural gas
5. Which one of the following is not true regarding nuclear power?  
- C. Radioactive wastes must be stored 2-5 years before disposal
6. Which one of the following directly produces CO<sub>2</sub> but is considered carbon neutral?  
- B. Biodiesel
7. The original source of energy that powers both wind energy and hydropower is...  
- C. The sun
8. Burning sawdust that is leftover from lumber production and using it to generate electricity would be an example of which one of the following?  
- B. Biofuel
9. In the process of fracking, how is gas and oil extracted?  
- D. High-pressure fluids are injected underground to force out the fossil fuels
10. What fundamental similarity is shared between the following energy sources: biogas and municipal solid waste?  
- D. Both rely on the generation and combustion of methane