

Chapter 4

Text Pages 108–109

STUDY GUIDE

● Burning Waste Coal

Answer the following questions on the lines provided.

1. How does the process of cogeneration differ from other processes for generating power?

2. What problems are caused by the piles of waste coal found near abandoned coal mines?

Put an X by each statement that does not agree with your textbook.

- _____ 3. Coal is an organic sedimentary rock.
- _____ 4. Coal no longer provides fuel for electricity in the United States.
- _____ 5. Waste coal is the result of new mining techniques.
- _____ 6. Acid runoff results when rain flows through piles of waste coal.
- _____ 7. Mixing waste coal with limestone before burning removes more than 90 percent of harmful sulfur dioxide emissions.
- _____ 8. The ash that results from burning waste coal changes to a low-grade cement when it mixes with water.
- _____ 9. Some companies use waste coal to generate electrical energy, but the thermal energy that is generated cannot be used.
- _____ 10. Waste coal is what remains after coal is burned.