

● Cleaner Coal

Complete the following sentences using the appropriate words from the textbook.

1. In 1990, the United States obtained almost _____ of its energy from burning coal.
2. Most coal is burned to produce _____.
3. Coal is _____ expensive to burn than other fuels.
4. Burning coal releases many tons of particles and _____.
5. In the 1970s, scientists discovered that sulfur dioxide gas can produce _____.
6. A _____ uses gravity to reduce the number of particles released into the air by burning coal.
7. Creating an _____ on a metal plate between the location where the coal is burned and the smokestack exit is a way of reducing the release of fine particles into the air.
8. Electrically charged particles of burned coal move _____ an electric field.
9. Electrically charged particles _____ their charge when they touch the metal plate.
10. Long bags placed within a smokestack will _____ fine particles from the emitted gases.
11. The primary gas that scientists try to remove from coal smoke is _____.
12. The main technology used to clean sulfur dioxide gas from coal smoke is a _____.
13. In a scrubber, gases released by burning coal are channeled through water that contains _____.
14. Limestone in the scrubber reacts with sulfur dioxide to produce _____.
15. Using a chemical reaction to remove sulfur dioxide from coal smoke can be up to _____ efficient.