Directed Reading for Content Mastery

# *Section 1* ▪ Fossil Fuels
# *Section 2* ▪ Nuclear Energy

**Directions:** *For each of the following, write the letter of the term or phrase that best completes the sentence.*

_____ **1.** _____ is not a fossil fuel.

**a.** Coal **b.** Wind

_____ **2.** All fossil fuels are _____.

**a.** nonrenewable **b.** renewable

_____ **3.** Nuclear fusion converts _____ to _____.

**a.** oxygen; hydrogen **b.** hydrogen; helium

_____ **4.** About _____ percent of the energy used in the United States comes from burning fossil fuels.

**a.** 50 **b.** 85

_____ **5.** The many different compounds that are found in _____ are separated in a process called fractional distillation.

**a.** petroleum **b.** natural gas

**Directions:** *Determine whether the italicized term makes each statement true or false. If the statement is true, write* **true** *in the blank. If the statement is false, write the term that makes the statement true.*

_____ **6.** Nuclear wastes must be disposed of carefully so *radiation* will not leak into the environment.

_____ **7.** Fossil fuels form from *nuclear chain reactions.*

_____ **8.** *Coal* has uses other than energy, such as plastics and lubricants.

_____ **9.** When fossil fuels are burned to produce electricity, *more* energy is lost in the process than is delivered to homes, schools, and businesses.

_____ **10.** In a nuclear reactor, the actual fission of the radioactive fuel occurs in the part of the reactor called the *control rod.*



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