* 1. **Quick Check: Entry Resources and Fossil Fuels**

1. **Describe** the 5 factors that influence the value of the fuel.

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1. **Describe** how fossil fuels are used to produce electricity, and explain how electric generator works.

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1. **Describe** how coal, oil, and natural gas form, how these fuels are used, and how using each fuel affects the environment.

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1. **Analyzing relationships**: What is the relationship between natural gas and petroleum?

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1. **Making comparisons**: Read the description of how fossil fuel deposits are formed on page 470. Are fossil fuels produced today by the same geologic processes as in the past?

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1. **Making inferences**: (All) Examine the figure 11 on page 474. What do you think accounts for the dramatic increase in the worldwide production of oil after 1950?

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**17.2 Quick Check: Nuclear Energy**

1. **Compare** power plant that burns fossil fuels with a nuclear power plant.

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1. **Describe** 2 advantages and 2 disadvantages of nuclear power plants.

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1. **Explain** the differences between nuclear fission and nuclear fusion.

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1. **Applying ideas**: Read about the advantages of nuclear energy on page 478. **Explain** why countries such as France and Japan rely heavily on nuclear power.

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1. **Making decisions**: (All) Which poses more of an environmental threat: transporting spent nuclear fuel or transporting toxic chemicals question explain why.

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