Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Coach Book Guided Reading Chapter 2 Lesson 8 Page 46**

**Energy Resources and Their Environmental Impact**

1. What does it mean when an energy resource is said to be “non-renewable.”?
2. What does it mean when an energy resource is said to be “renewable”?
3. Where does most of the energy used in the United States come from?
4. What is fossil fuel?
5. Identify the different types of fossil fuels; explain what they are and how they are mainly used.

A)

B)

C)

D)

1. Explain the advantages of using fossil fuels.
2. Explain 4 disadvantages of using fossil fuels.

A)

B)

C)

D)

1. How does Nuclear energy produce electricity?
2. Why is nuclear energy considered a nonrenewable resource?
3. What is an advantage of using nuclear energy?
4. What is a disadvantage of using nuclear energy?
5. What is solar energy?
6. Why are photovoltaic cells important to solar energy?
7. What are two advantages of solar energy?

A)

B)

1. What is the disadvantage of using solar energy?
2. What is wind energy?
3. What areas of the country do you think wind energy is used most?
4. What is an advantage of using wind energy? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ What are two disadvantages? A) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ B) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. What is hydropower?
6. Why is a natural waterfall a good place to build a hydroelectric power plants?
7. What is an advantage of using hydropower?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. What are two disadvantages?

A)

B)

1. What is biomass and how is it used as a fuel?

23.What is ethanol?

1. What is an advantage of using biomass energy?
2. What are two disadvantages of using biomass energy?
3. What is geothermal energy?
4. In order to use geothermal energy, what must a location have?

28. List the types of nonrenewable energy.

29. List the types of renewable energy.