

7th Grade Science Book E Environmental Science

Chapter Five: Energy Resources

Section Three: Alternative Resources (pg 114-121)

For each word listed below, write the word on a piece of notebook paper, underline or highlight the word and then write the definition after the word. (Students are encouraged to take the definition from the actual text because that is the definition that will be used on quizzes and tests).

nuclear energy	fission	joule	megawatts
fusion	chemical energy		solar energy
wind power	hydroelectric energy		biomass
gasohol	geothermal energy		magma
geysers			

Answer each of the following questions on a piece of notebook paper, in a complete sentence, restating the question in your answer. Failure to follow these rules will result in the student having to rewrite the assignment to earn their points.

1. What are two main problems with fossil fuels?
2. Why isn't nuclear power used more?
3. Why are fuel cells such a great alternative to fossil fuels?
4. What are two positives of solar energy?
5. What are two disadvantages of solar energy?
6. What issues are there with wind power?
7. What is a water wheel and what is it used for?
8. What are four disadvantages of hydroelectric dams?
9. Compare people of the world and people of the United States in terms of using wood and charcoal for energy.
10. Do some research and find out what ethanol is and how it is used in the United States.
11. If you were going to build a nuclear power plant, why wouldn't you build it in the middle of a desert?