



ACTIVITY 3 OF 8

The Importance of Energy Analysis

[< Previous](#)[Next >](#)

 Writing  10:00m



QUESTION 1

In the video, Dr. Tinker states, "Energy is one of the most important issues of our time." Do you agree or disagree with this statement? Support your conclusion with at least three facts, either from the video or from another source. If you use other sources, please provide a citation.

Suggested Response

Energy is consumed 24 hours a day in our lives. For example: our communication and transportation networks are powered by energy; our houses are heated and cooled by energy.

All of the materials for our goods, like cell phones, batteries, computers, TVs, cars, appliances and much more, were mined and extracted using energy, and the manufacturing, shipping, packaging, etc. is made possible by energy. For example, one pair of jeans used the equivalent amount of energy of 3 gallons of gasoline to be made and delivered to us. [And then more energy is used to keep them clean and dry once we own them!] Without energy, there would be no modern society.

All of our food was planted, harvested, processed, packaged and delivered to us also using energy. For example, the groceries a typical family might buy for one week might have required the equivalent amount of energy as 22 gallons of gasoline to get to us. And then we have to clean, cook and wash up after those meals, which takes more energy. Without energy, we wouldn't have our modern food system.

[< Previous](#)

[Next >](#)

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