

Technology Workshop: Find the Most Adapted Energy Source for the New Order Amish

Toolbox

Nouns: windmill, air compressor, tank, ceiling fan, renewable energy, greenhouse gases, fossil fuels, heater, sustainability

Verbs: to compress, to power, to adapt, to preserve

Adjectives: efficient, sustainable, eco-friendly, reliable

1. Watch and Answer

Video: Watch the video (<https://www.youtube.com/watch?v=Oc0b4aBOyBw>) and answer the questions below.

A. General Understanding

1. What is the objective of the video? Tick the correct answer:

- To explain why the Amish refuse modern technology.
- To present two ways of powering equipment without electricity.
- To describe the use of renewable energies in Amish communities.

2. What are the two solutions presented in the video? Tick the right answers:

- A gas-powered compressor that fires up and compresses air sent to a building.
- A windmill that turns and fills a tank with air.
- A solar panel system to heat water.
- An electric grid powered by biofuel.

2. Renewable Energies in Detail

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1. Which energy source could be used for the house? Tick the correct answer:

- Solar energy
- Wind energy
- Hydraulic energy (water)
- Biomass energy
- Geothermal energy

2. What are the two characteristics of renewable energies highlighted in the video? Tick the correct answers:

- Renewable and inexhaustible (can be naturally replenished).
- Low greenhouse gas emissions.
- Expensive to implement.
- Requires high maintenance.
- Limited availability of natural resources.

3. Which of the following are sources of renewable energy? Tick all that apply:

- Solar energy
- Wind energy
- Coal
- Biomass energy
- Geothermal energy

4. What are the opposite types of energy to renewable ones? Tick the correct answer:

- Fossil fuels (coal, oil, natural gas)

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- Solar and wind energy
- Geothermal and hydraulic energy

5. What are the main advantages of renewable energies quoted in the video? Tick the correct answers:

- Reduced greenhouse gas emissions
- Sustainability over time
- High environmental impact
- Requires fossil fuels to function

6. Identify some downsides of renewable energies. Tick the correct answers:

- Dependence on weather conditions (e.g., wind or sunlight)
- High initial setup costs
- Unsustainable over time
- High greenhouse gas emissions

3. Write Then Be Ready to Speak

Write your response to the following question, and then be ready to present it orally in class:

Which energy source would you choose for an Amish household and why? Tick your choice below, then explain in detail:

- Solar energy
- Wind energy
- Biomass energy
- Geothermal energy

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Explain your choice (write here):
