

Name _____

Powering the World

Open-Ended Response Questions

1. Compare and contrast the environmental impacts of fossil fuel-based power generation methods (thermal and biomass) and renewable energy sources (wind, solar, and hydropower).
2. Explore the potential of wave and tidal power as renewable energy sources, highlighting their advantages and limitations.
3. Imagine a world where all electricity is generated using only renewable energy sources. How would it impact our environment, energy security, and sustainability?
4. Discuss the importance of sustainable biomass management in biomass power generation, emphasizing the need for responsible sourcing of organic materials.

