

Name _____

Crypto Mining and Environmental Concerns: Unveiling the Energy Debate

Open-Ended Response Questions

1. Discuss the potential advantages and disadvantages of shifting from Proof of Work (PoW) to Proof of Stake (PoS) as a consensus mechanism in cryptocurrency networks in terms of environmental impact.
2. Imagine you are a cryptocurrency miner. What steps could you take to make your mining operation more environmentally sustainable, considering both energy consumption and carbon emissions?
3. Reflect on the role of technological innovation in addressing the environmental concerns of cryptocurrency mining. How might advances in hardware and software contribute to sustainability?
4. In your opinion, what responsibilities do cryptocurrency projects and miners have in mitigating the environmental impact of their activities? How can they balance innovation with environmental responsibility?

