

Name _____

Unveiling the Magic: How Blockchain Transactions Are Verified

Multiple Choice Questions

1. What is the role of miners in the blockchain verification process?
 - a) They initiate transactions
 - b) They witness transactions as nodes
 - c) They verify and add transactions to the blockchain
 - d) They store transactions in digital wallets

2. Which consensus mechanism involves miners competing to solve complex mathematical puzzles to verify transactions?
 - a) Proof of Witness
 - b) Proof of Stake
 - c) Proof of Authority
 - d) Proof of Work

3. What aspect of a transaction do miners check during the verification process?
 - a) The sender's email address
 - b) The sender's balance and digital signature
 - c) The recipient's physical location
 - d) The transaction's color

4. What is one significant advantage of blockchain technology in terms of transaction immutability?
 - a) Transactions can be altered or deleted
 - b) Transactions are only visible to miners
 - c) Transactions are not linked to previous blocks
 - d) Transactions are permanent and cannot be changed

5. What makes blockchain technology a powerful combination of features?
 - a) Transparency and high energy consumption
 - b) Complexity and centralization
 - c) Transparency and security
 - d) Anonymity and accessibility

