

**BITCOINER**

**What is the maximum supply of Bitcoin?**

- \_\_\_\_\_
- [A]** 21 Million
  - B. 42 Million
  - C. 21 Billion
  - D. 210 Million

Bitcoin History and Adoption

**BITCOINER**

**Who invented Bitcoin?**

- \_\_\_\_\_
- A. Vitalik Buterin
  - B. Elon Musk
  - [C]** Satoshi Nakamoto
  - D. Hal Finney

Bitcoin History and Adoption

**BITCOINER**

**What is the primary purpose of Proof of Work in Bitcoin?**

- \_\_\_\_\_
- A. Printing Bitcoins
  - [B]** Validating transactions through computational power
  - C. Securing wallets
  - D. Lowering fees

Proof of Work and Mining

**BITCOINER**

**What is a Bitcoin address?**

- \_\_\_\_\_
- A. A device for storing Bitcoins
  - B. A temporary transaction code
  - [C]** A unique string for transaction assignment
  - D. The name of a miner

Technology and Security

**BITCOINER**

**What does 'HODL' mean in the Bitcoin community?**

- \_\_\_\_\_
- A. Hardware Operation Digital Ledger
  - [B]** Hold On for Dear Life
  - C. Hold Over Digital Limit
  - D. Hybrid Online Distributed Ledger

Bitcoin History and Adoption

**BITCOINER**

**What is a blockchain?**

- \_\_\_\_\_
- A. A central server
  - [B]** A linked list of blocks containing transactions
  - C. A mining algorithm
  - D. A type of wallet

Technology and Security

**BITCOINER**

**Which consensus protocol does Bitcoin use for mining?**

- \_\_\_\_\_
- A. Proof of Stake
  - B. Delegated Proof of Stake
  - [C]** Proof of Work
  - D. Byzantine Fault Tolerance

Proof of Work and Mining

**BITCOINER**

**Which country adopted Bitcoin as legal tender in 2021?**

- \_\_\_\_\_
- A. Venezuela
  - [B]** El Salvador
  - C. Nigeria
  - D. Iceland

Bitcoin History and Adoption

**BITCOINER**

**Which symbol is used for Bitcoin?**

- \_\_\_\_\_
- A. \$
  - [B]** BTC
  - C. €
  - D. £

Bitcoin History and Adoption

**BITCOINER**

**What is a wallet in the Bitcoin context?**

- \_\_\_\_\_
- A. A physical coin
  - [B]** Software or hardware for managing Bitcoin keys
  - C. A mining tool
  - D. An exchange account

Technology and Security

**BITCOINER**

**Which year marked the start of the Bitcoin network?**

- \_\_\_\_\_
- A. 2007
  - B. 2008
  - [C]** 2009
  - D. 2010

Bitcoin History and Adoption

**BITCOINER**

**Why is Bitcoin decentralized?**

- \_\_\_\_\_
- A. It is controlled by a bank
  - [B]** It is operated by many nodes worldwide
  - C. It has only one server
  - D. It is tied to a government

Technology and Security

**BITCOINER**

**Which African country has high Bitcoin adoption through peer-to-peer trading?**

- \_\_\_\_\_
- A. Kenya
  - [B]** Nigeria
  - C. Ethiopia
  - D. Algeria

Bitcoin History and Adoption

**BITCOINER**

**What does a 'Halving' describe in Bitcoin?**

- \_\_\_\_\_
- A. The blockchain is halved
  - B. Transaction fees are halved
  - [C]** The number of new Bitcoins per block is halved
  - D. The price is halved

Proof of Work and Mining

**BITCOINER**

**What is a Satoshi?**

- \_\_\_\_\_
- A. A Bitcoin developer
  - [B]** The smallest unit of Bitcoin
  - C. An altcoin
  - D. A smart contract

Bitcoin History and Adoption

**BITCOINER**

**Which characteristic is NOT typical for Bitcoin?**

- \_\_\_\_\_
- A. Decentralization
  - [B]** Inflationary
  - C. Limited supply
  - D. Censorship resistance

Technology and Security

**BITCOINER**

**How often is a new Bitcoin block found on average?**

- \_\_\_\_\_
- A. Every 1 minute
  - [B]** Every 10 minutes
  - C. Every 30 minutes
  - D. Every hour

Proof of Work and Mining

**BITCOINER**

**What is the purpose of the Bitcoin whitepaper?**

- \_\_\_\_\_
- A. A marketing document
  - [B]** A technical description of Bitcoin
  - C. A legal text
  - D. A price prediction model

Bitcoin History and Adoption

**BITCOINER**

**Which company officially accepted Bitcoin as a payment method in 2014?**

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- A. Facebook
- [B] Microsoft**
- C. Amazon
- D. Netflix

Bitcoin History and Adoption

**BITCOINER**

**What is a Bitcoin exchange?**

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- A. A mining pool
- [B] A platform for buying and selling Bitcoin**
- C. A wallet provider
- D. A regulator

Bitcoin History and Adoption

**BITCOINER**

**What is a peer-to-peer network in Bitcoin?**

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- A. A central server
- [B] A network without central authority**
- C. A mining pool
- D. An exchange system

Technology and Security

**BITCOINER**

**What type of currency is Bitcoin?**

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- A. Fiat currency
- [B] Cryptocurrency**
- C. Gold-based
- D. Stock-based

Bitcoin History and Adoption

**BITCOINER**

**What is a transaction fee in Bitcoin?**

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- A. A tax to the government
- [B] An amount miners receive for processing**
- C. A wallet subscription
- D. A marketing cost contribution

Technology and Security

**BITCOINER**

**What is the main difference between Bitcoin and traditional money?**

---

- A. Bitcoin is physical
- B. Bitcoin is centralized
- [C] Bitcoin is digital and decentralized**
- D. Bitcoin has no value

Bitcoin History and Adoption

**BITCOINER**

**What does 'To the Moon' mean in the Bitcoin community?**

---

- A. A new wallet
- [B] An expression for rising prices**
- C. A mining protocol
- D. A security feature

Bitcoin History and Adoption

**BITCOINER**

**What is a block in the context of Bitcoin?**

---

- A. A physical storage
- B. A mining hardware
- [C] A record of transactions**
- D. A wallet

Technology and Security

**BITCOINER**

**Who published the Bitcoin whitepaper?**

---

- A. Vitalik Buterin
- [B] Satoshi Nakamoto**
- C. Hal Finney
- D. Adam Back

Bitcoin History and Adoption

**BITCOINER**

What is the purpose of a public key?

- A. Signing transactions
- [B]** Receiving Bitcoin
- C. Mining
- D. Creating wallets

Technology and Security

**BITCOINER**

What does 'permissionless' mean in Bitcoin?

- A. Nobody can use Bitcoin
- [B]** Anyone can participate without permission
- C. Only miners can send transactions
- D. Only governments can use Bitcoin

Technology and Security

**BITCOINER**

What is the goal of mining in the Bitcoin network?

- A. Generating new wallets
- [B]** Validating transactions and finding new blocks
- C. Buying Bitcoin
- D. Deleting hashes

Proof of Work and Mining

**BITCOINER**

How many Satoshis correspond to 1 Bitcoin?

- A. 100,000
- B. 1 Million
- C. 10 Million
- [D]** 100 Million

Bitcoin History and Adoption

**BITCOINER**

Which function does Bitcoin NOT directly fulfill?

- A. Means of payment
- B. Store of value
- [C]** Smart contracts
- D. Unit of account

Technology and Security

**BITCOINER**

How many decimal places does 1 Bitcoin have?

- A. 6
- [B]** 8
- C. 10
- D. 12

Bitcoin History and Adoption

**BITCOINER**

What is the goal of the Bitcoin community's 'Laser Eyes'?

- A. A security protocol
- [B]** A meme for rising prices
- C. A mining tool
- D. A wallet type

Bitcoin History and Adoption

**CYPHERPUNK**

What is a UTXO (Unspent Transaction Output)?

- A. A used Bitcoin
- [B]** An output that has not yet been spent
- C. A mining device
- D. A secret key

Technology and Security

**CYPHERPUNK**

How does Proof of Work contribute to the security of the Bitcoin blockchain?

- A. It encrypts wallets
- [B]** It makes attacks like double-spending expensive
- C. It lowers transaction fees
- D. It creates new Bitcoins

Proof of Work and Mining

**CYPHERPUNK****What is a private key?**

- \_\_\_\_\_
- A. A public key
  - B. A password for the wallet
  - [C]** A unique secret key that signs transactions
  - D. A QR code

Technology and Security

**CYPHERPUNK****Which exchange was hacked in 2014 and lost many Bitcoins?**

- \_\_\_\_\_
- A. Coinbase
  - B. Binance
  - C. Kraken
  - [D]** Mt. Gox

Bitcoin History and Adoption

**CYPHERPUNK****What is the purpose of the Lightning Network?**

- \_\_\_\_\_
- A. Bitcoin mining
  - [B]** Faster and cheaper transactions
  - C. Smart contracts
  - D. Data storage

Technology and Security

**CYPHERPUNK****How many blocks are found on average per day in the Bitcoin network?**

- \_\_\_\_\_
- A. 6
  - B. 100
  - [C]** 144
  - D. 288

Proof of Work and Mining

**CYPHERPUNK****What happens every 210,000 blocks in the Bitcoin network?**

- \_\_\_\_\_
- A. A hard fork
  - B. A network upgrade
  - [C]** The block reward is halved (Halving)
  - D. A blockchain reset

Proof of Work and Mining

**CYPHERPUNK****Who was Hal Finney?**

- \_\_\_\_\_
- A. A Bitcoin opponent
  - [B]** A developer and one of the first Bitcoin recipients
  - C. A miner from China
  - D. A politician

Bitcoin History and Adoption

**CYPHERPUNK****When was the first Bitcoin block (Genesis Block) mined?**

- \_\_\_\_\_
- A. 2008
  - [B]** 2009
  - C. 2010
  - D. 2011

Bitcoin History and Adoption

**CYPHERPUNK****What is a seed phrase (recovery phrase)?**

- \_\_\_\_\_
- A. A transaction code
  - B. An encryption algorithm
  - [C]** A backup for a wallet
  - D. A mining script

Technology and Security

**CYPHERPUNK****What role do miners play in the Bitcoin network?**

- \_\_\_\_\_
- A. They trade Bitcoin
  - B. They lend Bitcoin
  - [C]** They validate and secure transactions through computational power
  - D. They store wallets

Proof of Work and Mining

## CYPHERPUNK



Which hardware is particularly efficient for Bitcoin mining?

- A. CPU
- B. GPU
- C. FPGA
- [D]** ASIC

Proof of Work and Mining

## CYPHERPUNK



How many blocks does a transaction usually need for high security?

- A. 1
- B. 3
- [C]** 6
- D. 10

Technology and Security

## CYPHERPUNK



What is a transaction that has not yet been included in a block called?

- A. Pending
- B. Floating
- [C]** Unconfirmed
- D. Ghost

Technology and Security

## CYPHERPUNK



What is a 'cold wallet'?

- [A]** A wallet kept offline
- B. A wallet with low fees
- C. A wallet for mining
- D. A wallet with an integrated exchange

Technology and Security

## CYPHERPUNK



What is the current (as of 2024) reward for miners per block?

- A. 12.5 BTC
- B. 6.25 BTC
- [C]** 3.125 BTC
- D. 1 BTC

Proof of Work and Mining

## CYPHERPUNK



What is a Merkle Tree in the Bitcoin blockchain?

- A. A mining algorithm
- [B]** A structure for efficiently storing transactions
- C. A wallet type
- D. A security protocol

Technology and Security

## CYPHERPUNK



What is a 'mempool' in the Bitcoin network?

- A. A storage for new blocks
- B. A pool for miners
- [C]** A storage for unconfirmed transactions
- D. A wallet backup

Technology and Security

## CYPHERPUNK



What is the purpose of a 'time lock' in Bitcoin transactions?

- A. Executing transactions immediately
- [B]** Releasing transactions at a later time
- C. Deleting transactions
- D. Locking wallets

Technology and Security

## CYPHERPUNK



What is a 'Replace-by-Fee' (RBF)?

- A. Creating a new wallet
- [B]** Replacing a transaction with a higher fee
- C. A mining protocol
- D. A security update

Technology and Security

**CYPHERPUNK**

**What is the purpose of a mining pool?**

- A. Buying Bitcoins
- [B]** Combining computational power to find blocks faster
- C. Storing wallets
- D. Trading transactions

Proof of Work and Mining

**CYPHERPUNK**

**What is a 'fork' in the Bitcoin blockchain?**

- A. A new wallet
- [B]** A split in the blockchain
- C. A mining tool
- D. A security protocol

Technology and Security

**CYPHERPUNK**

**What is a 'hot wallet'?**

- A. A wallet that is offline
- [B]** A wallet that is connected online
- C. A wallet for mining
- D. A wallet with low fees

Technology and Security

**CYPHERPUNK**

**What is the purpose of a 'watch-only wallet'?**

- A. Only conducting mining
- [B]** Only displaying transactions without signing them
- C. Only buying Bitcoins
- D. Only storing blocks

Technology and Security

**CYPHERPUNK**

**What is the 'block time' in Bitcoin?**

- A. The time to send a transaction
- [B]** The average time to find a new block
- C. The time to create a wallet
- D. The time for a halving

Proof of Work and Mining

**CYPHERPUNK**

**What is a 'dust limit' in Bitcoin?**

- A. The minimum transaction fee
- [B]** The smallest spendable amount of a UTXO
- C. The maximum block size
- D. The minimum mining power

Technology and Security

**CYPHERPUNK**

**What is the purpose of the 'difficulty adjustment'?**

- A. Lowering transaction fees
- [B]** Keeping the block time around 10 minutes
- C. Increasing the block size
- D. Securing wallets

Proof of Work and Mining

**CYPHERPUNK**

**What is a 'paper wallet'?**

- [A]** A wallet on paper with keys
- B. A wallet for mining
- C. A digital wallet
- D. A wallet for transactions

Technology and Security

**CYPHERPUNK**

**What is the purpose of a 'block header'?**

- A. Storing transactions
- [B]** Verifying the integrity of a block
- C. Securing wallets
- D. Increasing mining power

Technology and Security

**CYPHERPUNK**

**Which country adopted Bitcoin as legal tender in 2022?**

- [A]** Central African Republic
- B. Panama
- C. Cuba
- D. Argentina

Bitcoin History and Adoption

**CYPHERPUNK**

**What is the purpose of a 'hardware wallet'?**

- A. Conducting mining
- [B]** Secure offline storage of private keys
- C. Trading transactions
- D. Storing blocks

Technology and Security

**CYPHERPUNK**

**What is a 'nonce' in a Bitcoin block?**

- A. A transaction code
- [B]** A value adjusted during mining to find the hash
- C. A wallet backup
- D. A security protocol

Proof of Work and Mining

**CYPHERPUNK**

**What is an 'orphan block'?**

- A. A block without transactions
- [B]** A block not included in the main chain
- C. A block without a miner
- D. A block with invalid transactions

Proof of Work and Mining

**CYPHERPUNK**

**What is the goal of Fedimint in the Bitcoin ecosystem?**

- A. Generating new Bitcoins
- [B]** Enabling decentralized custody and transactions
- C. Introducing smart contracts
- D. Managing mining pools

Technology and Security

**SATOSHI**

**What does SHA-256 stand for?**

- A. Super Hash Algorithm
- [B]** Secure Hash Algorithm
- C. Simple Hash Application
- D. Satoshi Hash Architecture

Technology and Security

**SATOSHI**

**What is a 51% attack?**

- A. A hacker attack on wallets
- B. An overload attack on the network
- [C]** When a miner controls over 51% of the hash rate
- D. When half of all users sell Bitcoin

Technology and Security

**SATOSHI**

**Why is Proof of Work energy-intensive?**

- A. It uses smart contracts
- [B]** It requires complex hash calculations
- C. It stores transactions
- D. It encrypts private keys

Proof of Work and Mining

**SATOSHI**

**What is the Taproot upgrade?**

- A. An update to increase block size
- [B]** An update to improve privacy and scalability
- C. An update to introduce smart contracts
- D. An update to reduce mining difficulty

Technology and Security



SATOSHI



What message does the Genesis Block contain?

- A. Satoshi is here
- [B]** The Times 03/Jan/2009 Chancellor on brink of second bailout for banks
- C. Bitcoin is born
- D. Hello world

Bitcoin History and Adoption

SATOSHI



What is the function of difficulty in the Bitcoin network?

- A. It affects transaction costs
- B. It determines the reward per block
- [C]** It adjusts the mining difficulty
- D. It decides the wallet balance

Proof of Work and Mining

SATOSHI



What is a soft fork?

- A. A complete network failure
- [B]** A backward-compatible protocol change
- C. A new cryptocurrency
- D. A graphical interface for wallets

Technology and Security

SATOSHI



Which programming language was primarily used for Bitcoin Core?

- A. Python
- B. Rust
- [C]** C++
- D. Go

Technology and Security

SATOSHI



What is a hard fork?

- A. An update that is backward-compatible
- [B]** A network upgrade that breaks consensus
- C. A new wallet
- D. A mining accident

Technology and Security

SATOSHI



Which of these platforms is NOT a Layer-2 network?

- A. Lightning
- B. Liquid
- [C]** Taproot
- D. Statechains

Technology and Security

SATOSHI



What happens if a miner publishes an invalid block?

- A. They receive a higher reward
- B. They are permanently banned
- [C]** The block is rejected by the network
- D. The block is still stored

Proof of Work and Mining

SATOSHI



What block size was specified in the Bitcoin whitepaper?

- [A]** 1 MB
- B. 10 MB
- C. 0.5 MB
- D. unlimited

Bitcoin History and Adoption

SATOSHI



What is a multisig wallet?

- A. A wallet with multiple currencies
- [B]** A wallet requiring multiple signatures for transactions
- C. A wallet for mining
- D. A wallet with an integrated exchange

Technology and Security

SATOSHI



How is the difficulty adjusted in Bitcoin mining?

- A. Not at all
- [B]** Automatically every 2016 blocks
- C. Daily
- D. After each halving

Proof of Work and Mining

SATOSHI



Which algorithm is used for Bitcoin mining?

- A. MD5
- B. SHA-1
- [C]** SHA-256
- D. Blake3

Proof of Work and Mining

SATOSHI



What is a 'ScriptSig' in a Bitcoin transaction?

- A. A mining script
- [B]** A script to unlock a UTXO
- C. A wallet backup
- D. A security protocol

Technology and Security

SATOSHI



What is the purpose of a 'locktime' in Bitcoin?

- A. Executing transactions immediately
- [B]** Releasing transactions at a specific time
- C. Locking blocks
- D. Encrypting wallets

Technology and Security

SATOSHI



What is an 'SPV Wallet' (Simplified Payment Verification)?

- A. A wallet for mining
- [B]** A wallet that only verifies block headers
- C. A wallet for smart contracts
- D. A wallet for exchanges

Technology and Security

SATOSHI



What is the purpose of a 'CheckSequenceVerify' (CSV)?

- A. Confirming transactions immediately
- [B]** Setting relative time delays for transactions
- C. Deleting blocks
- D. Securing wallets

Technology and Security

SATOSHI



What is a 'sidechain' in the Bitcoin context?

- [A]** An alternative blockchain linked to Bitcoin
- B. A mining pool
- C. A wallet type
- D. A security protocol

Technology and Security

SATOSHI



What is the purpose of a 'Bloom Filter' in Bitcoin?

- A. Filtering transactions
- [B]** Improving privacy for SPV wallets
- C. Finding blocks faster
- D. Calculating fees

Technology and Security

SATOSHI



What is a 'CoinJoin'?

- A. A mining pool
- [B]** A method to increase privacy by mixing transactions
- C. A wallet type
- D. A security protocol

Technology and Security

SATOSHI



What is a 'Tapscript' in the Taproot upgrade?

- A. A new mining protocol
- [B]** A scripting language for more complex transactions
- C. A wallet backup
- D. A security protocol

Technology and Security

SATOSHI



What is the purpose of a 'Hash Time Locked Contract' (HTLC)?

- A. Securing wallets
- [B]** Enabling time-bound payments in the Lightning Network
- C. Finding blocks faster
- D. Deleting transactions

Technology and Security

SATOSHI



What is a 'Schnorr Signature' scheme?

- A. A mining algorithm
- [B]** A more efficient signature method in the Taproot upgrade
- C. A wallet type
- D. A security protocol

Technology and Security

SATOSHI



What is the purpose of a 'Difficulty Target' in Bitcoin?

- A. Validating transactions
- [B]** Setting the difficulty level for mining a block
- C. Securing wallets
- D. Calculating fees

Proof of Work and Mining

SATOSHI



What is a 'Chain Reorganization' in Bitcoin?

- A. Creating a new wallet
- [B]** When a longer blockchain replaces a shorter one
- C. A mining pool
- D. A security protocol

Proof of Work and Mining

SATOSHI



What is the purpose of an 'OP\_RETURN' in Bitcoin?

- A. Signing transactions
- [B]** Inserting small amounts of data into the blockchain
- C. Deleting blocks
- D. Securing wallets

Technology and Security

SATOSHI



What is a 'Statechain' in the Bitcoin context?

- A. A mining algorithm
- [B]** A method for off-chain UTXO transfers
- C. A wallet type
- D. A security protocol

Technology and Security

SATOSHI



What is the purpose of a 'Child Pays for Parent' (CPFP)?

- A. Creating a new wallet
- [B]** Speeding up an unconfirmed transaction with a higher fee
- C. Finding blocks faster
- D. Securing wallets

Technology and Security

SATOSHI



What is a 'Confidential Transaction' in the Bitcoin context?

- [A]** A transaction with hidden amounts
- B. A transaction without fees
- C. A transaction for mining
- D. A transaction for wallets

Technology and Security

SATOSHI



### What is the purpose of a 'Block Subsidy'?

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- A. Storing transactions
- [B]** The reward for miners for finding a block
- C. Securing wallets
- D. Calculating fees

Proof of Work and Mining

SATOSHI



### What is a 'Pruned Node' in the Bitcoin network?

---

- A. A node with the full blockchain
- [B]** A node with reduced historical data
- C. A mining node
- D. A wallet node

Technology and Security

SATOSHI



### What is the purpose of a 'CheckLockTimeVerify' (CLTV)?

---

- A. Executing transactions immediately
- [B]** Setting absolute time delays for transactions
- C. Deleting blocks
- D. Securing wallets

Technology and Security

SATOSHI



### What is Ark in the Bitcoin ecosystem?

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- A. A mining protocol
- [B]** A scaling solution for trust-minimized transactions
- C. A wallet type
- D. A security protocol

Technology and Security