



Worksheet

Worksheet Objectives

Worksheet Lesson

Advance

Name:

Section:

Date:

Teacher:

Score:

In this worksheet:

Learning Objectives

- Understand the concept of blockchain technology
- Identify the key milestones in the history of blockchain
- Recognize the impact of blockchain on various industries



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It's Practice Time!

A. Part 1: Multiple Choice

Instructions: Select one correct option for each question.

Q1 |

Who is credited with creating Bitcoin, the first blockchain-based cryptocurrency?

- A. Satoshi Nakamoto
- B. Vitalik Buterin
- C. Gavin Andresen
- D. Hal Finney

Q2 |

Which year was the Bitcoin whitepaper published?

- A. 2008
- B. 2009
- C. 2010
- D. 2011

Q3 |

What is the primary purpose of a blockchain?

- A. Secure data storage
- B. Decentralized governance
- C. Peer-to-peer transactions
- D. All of the above

Q4 |

Which blockchain platform introduced smart contracts?



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- A. Ethereum
- B. Bitcoin
- C. Ripple
- D. Litecoin

Q5 |

What is the term used to describe the process of adding new blocks to the blockchain?

- A. Mining
- B. Hashing
- C. Staking
- D. Verifying

Q6 |

Which industry has shown significant interest in utilizing blockchain technology?

- A. Healthcare
- B. Finance
- C. Supply Chain
- D. All of the above

B. Part 2: Fill in the Blank (with options)

Instructions: Select one correct option for each question.

Q1 |

Blockchain is often referred to as a _____ ledger.

- A. Distributed
- B. Centralized
- C. Hierarchical



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Q2 |

The process of verifying transactions on a blockchain is called _____.

- A. Consensus
- B. Validation
- C. Confirmation

Q3 |

Blockchain technology removes the need for _____ intermediaries.

- A. Trusted
- B. Centralized
- C. Regulated

Q4 |

Each block on the blockchain contains a unique _____.

- A. Hash
- B. Key
- C. Signature

Q5 |

Blockchain provides _____ transparency and immutability.

- A. Enhanced
- B. Limited
- C. Volatile

Q6 |

Smart contracts are self-executing _____ embedded on the blockchain.

- A. Programs



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B. Tokens

C. Nodes

Q7 |

The first successful implementation of blockchain technology was for _____.

A. Cryptocurrencies

B. Voting systems

C. Supply chain management

C. Part 3: Matching

Instructions: Match the terms in column A with corresponding terms in column B.

Q1 |

undefined

_____ 1. Decentralized digital currency

_____ 2. Proof-of-Work consensus mechanism

_____ 3. Limited supply of 21 million coins

A. Nakamoto Consensus

B. Satoshi Nakamoto

C. Cryptocurrency

Q2 | application

undefined

_____ 1. Smart contracts platform

_____ 2. Turing-complete programming language

_____ 3. Decentralized applications (dApps)



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- A. Vitalik Buterin
- B. Solidity
- C. Ether

Q3 |

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- _____ 1. Proof-of-Work (PoW)
- _____ 2. Proof-of-Stake (PoS)
- _____ 3. Delegated Proof-of-Stake (DPoS)

- A. Ethereum
- B. Bitcoin
- C. EOS

Q4 |

undefined

- _____ 1. Permissioned blockchain framework
- _____ 2. Developed by the Linux Foundation
- _____ 3. Designed for enterprise use

- A. Fabric
- B. Sawtooth
- C. Indy

Q5 |

undefined

- _____ 1. Software or hardware device for storing private keys



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- ____ 2. Used for managing digital assets
- ____ 3. Supports multiple blockchain networks

- A. Ledger Nano S
- B. MyEtherWallet
- C. Exodus



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Keys and sample answers

Multiple choice

Answer: 1-a, 2-a, 3-d, 4-a, 5-a, 6-d

Fill in the blank (with options)

Answer: 1-a, 2-a, 3-b, 4-a, 5-a, 6-a, 7-a

Matching

Answer:

Question 1:

1-b, 2-a, 3-c

Question 2:

1-a, 2-b, 3-c

Question 3:

1-b, 2-a, 3-c

Question 4:

1-a, 2-b, 3-c

Question 5:

1-a, 2-b, 3-c