Worksheet Objectives

Worksheet Lesson

Advance

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## 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

## It’s Practice Time!

1. **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?

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

1. **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

**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

B. Tokens

C. Nodes

**Q7 |**

The first successful implementation of blockchain technology was for \_\_\_\_\_\_\_\_\_\_.

A. Cryptocurrencies

B. Voting systems

C. Supply chain management

1. **Part 3: Matching**

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

**Q1 |**

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\_\_\_\_\_ 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

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\_\_\_\_\_ 1. Smart contracts platform

\_\_\_\_\_ 2. Turing-complete programming language

\_\_\_\_\_ 3. Decentralized applications (dApps)

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 |**

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\_\_\_\_\_ 1. Permissioned blockchain framework

\_\_\_\_\_ 2. Developed by the Linux Foundation

\_\_\_\_\_ 3. Designed for enterprise use

A. Fabric

B. Sawtooth

C. Indy

**Q5 |**

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\_\_\_\_\_ 1. Software or hardware device for storing private keys

\_\_\_\_\_ 2. Used for managing digital assets

\_\_\_\_\_ 3. Supports multiple blockchain networks

A. Ledger Nano S

B. MyEtherWallet

C. Exodus

## 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