

✓ **Congratulations! You passed!**

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✓  
**Blockchain Defined – Week 1**

Quiz, 9 questions

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1. What is the genesis block?

- ☐ The first transaction in each block
- ☐ The last block created in the Blockchain
- ☒ The first block of a Blockchain
- ▲
- Correct**  
Correct.
- ☐ Any block created by the founder



2. **Inspect and explore block #0 using this link to solve the below question.**

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How many transactions are there in the Genesis block in Bitcoin?

- ☐ 10
- ☐ 0
- ☒ 1
- ▲

**Correct**  
Correct.



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**Inspect and explore block #0 using [this link](#) to solve the below question.**

How many transactions are there in the Genesis block in Ethereum (other than the transaction for Miner fee)?



**Correct**  
Correct.



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4.

**Inspect and explore block #490624 using [this link](#) to solve the below question.**

What is the hash of the previous block for Bitcoin block #490624? Copy and paste the answer into the box below.

000000000000000000004239f2a01d8f579|

**Correct Response**  
Correct!



5. **Inspect and explore block #490624 using [this link](#) to solve the below question.**

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Which of these fields is present in a Bitcoin block summary?

- ☐ Gas Used
- ☐ Gas Limit
- ☐ Private Key of the Sender
- ☒ Difficulty

**Correct**  
Correct.



6. Where are the transactions recorded in a blockchain?

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- ☐ On a SQL Database
- ☐ On a centralized immutable ledger
- ☐ On a SQLite Database
- ☒ On a distributed immutable ledger

**Correct**  
Correct.



7. What are UTXOs in a Bitcoin Blockchain?

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- ☐ These are actual currency that is sent to the receiver of a transaction

- ☐ These are rewards for miners
- ☒ These form the inputs and outputs for transactions
- ▲
- Correct**  
Correct.
- ☐ These are transaction output that has been expended
- 



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8. Blockchain was created to support security and trust in a \_\_\_\_\_ environment of the cryptocurrency Bitcoin.

- ☐ centralized trustless
- ☒ decentralized trustless
- ▲
- Correct**  
Correct!
- ☐ centralized trusted
- ☐ decentralized trusted
- 



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9. What/Who are miners in a blockchain?

- ☐ An algorithm that you can use to calculate the next block in a blockchain
- ☐ A person who just initiates a transaction in the blockchain

- ☒ Computers that validate and process blockchain transactions and solve the cryptographic puzzle to add new blocks

**Correct**

Correct.

- ☐ A person who receives money as the receiver of the transaction
- 

