

# Blockchain Defined - Week 1

LATEST SUBMISSION GRADE

100%

1. What is the genesis block?

1 / 1 point

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

✓ **Correct**  
Correct.

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

1 / 1 point

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

- ☐ 0
- ☒ 1
- ☐ 8893
- ☐ 10

✓ **Correct**  
Correct.

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

1 / 1 point

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

- ☐ 50
- ☐ 0
- ☒ 8893
- ☐ 1

✓ **Correct**  
Correct.

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

1 / 1 point

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

00000000000000000004239f2a01d8f579bc0dbb214d0f874ece5db587bee3457

✓ **Correct**  
Correct!

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

1 / 1 point

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

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

✓ **Correct**  
Correct.

6. Where are the transactions recorded in a blockchain?

1 / 1 point

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

✓ **Correct**  
Correct.

7. What are UTXOs in a Bitcoin Blockchain?

1 / 1 point

- ☐ These are actual currency that is sent to the receiver of a transaction
- ☐ These are transaction output that has been expended
- ☐ These are rewards for miners
- ☒ These form the inputs and outputs for transactions

✓ **Correct**  
Correct.

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

1 / 1 point

- ☐ centralized trustless
- ☐ centralized trusted
- ☐ decentralized trusted
- ☒ decentralized trustless

✓ **Correct**  
Correct!

9. What/Who are miners in a blockchain?

1 / 1 point

- ☒ Computers that validate and process blockchain transactions and solve the cryptographic puzzle to add new blocks
- ☐ An algorithm that you can use to calculate the next block in a blockchain
- ☐ A person who receives money as the receiver of the transaction
- ☐ A person who just initiates a transaction in the blockchain



**Correct**

Correct.

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