

## ✓ Congratulations! You passed!

Grade  
received **100%**

Latest Submission  
Grade 100%

To pass 78% or  
higher

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1. What is the genesis block?

1 / 1 point

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

✓ **Correct**  
Correct.

2. Inspect and explore block #0 using <https://www.blockchain.com/btc/block/0> to solve the below

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1 / 1 point

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

- ☒ 1
- ☐ 10
- ☐ 0
- ☐ 8893

✓ 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)?

- ☐ 1
- ☒ 8893
- ☐ 0

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)?

- ☐ 1  
☒ 8893  
☐ 0  
☐ 50

✔ **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.

[illegible]

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?

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

✓ **Correct**  
Correct.

6. Where are the transactions recorded in a blockchain?

1 / 1 point

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

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

✓ **Correct**  
Correct.

7. What are UTXOs in a Bitcoin Blockchain?

1 / 1 point

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

✓ **Correct**  
Correct.

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

1 / 1 point

☐ decentralized  
trusted

☐ centralized  
trustless

☒ decentralized  
trustless

☐ centralized  
trusted

✓ **Correct**  
Correct!

9. What/Who are miners in a blockchain?

1 / 1 point

☐ 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

trustless

☐ centralized  
trusted

✓ **Correct**  
Correct!

9. What/Who are miners in a blockchain?

1 / 1 point

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

✓ **Correct**  
Correct.