✅ **Congratulations! You passed!**

Grade received 100%   To pass 78% or higher

[Go to next item]

Blockchain Defined - Week 1

Latest Submission Grade 100%

1. What is the genesis block?

1 / 1 point

◉ The
   first block of a Blockchain

○ The
   first transaction in each block

○ The
   last block created in the Blockchain

○ Any block created by the founder

⊘ **Correct**
Correct.

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

1 / 1 point

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

○ 8893

○ 0

○ 10

◉ 1

⊘ **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

○ 1

◉ 8893

○ 0

⊘ **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.

0000000000000000004239f2a01d8f579bc0dbb214d0f874ece5db587bee3457

⊘ **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

◉ Difficulty

○ Gas Limit

○ Gas
    Used

✓ **Correct**
    Correct.

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6. Where are the transactions recorded
   in a blockchain?

   1 / 1 point

   ○ On a centralized immutable ledger

   ⦿ On a distributed immutable ledger

   ○ On a SQLite
       Database

   ○ On a SQL
       Database

   ✓ **Correct**
       Correct.

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7. What are UTXOs in a Bitcoin
   Blockchain?

   1 / 1 point

   ○ These are transaction output that has been expended

   ○ 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.

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

   1 / 1 point

   ○ decentralized
       trusted

   ⦿ decentralized
       trustless

   ○ centralized
       trusted

   ○ centralized
       trustless

   ✓ **Correct**
       Correct!

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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

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

   ○ A
       person who just initiates a transaction in the blockchain

   ✓ **Correct**
       Correct.