Ethereum Blockchain - Week 2

Quiz, 9 questions

Congratulations! You passed!

Next Item

1 / 1 point

1. **Inspect and explore block #4390176 using this link to solve the below question.**

What is the previous block hash of block #4390176 in Ethereum Blockchain? Provide the answer in the box below.

0xc253f0917b33b2947b4d9cdb7ad656c

Correct Response

Correct!

1 / 1 point

2. **Inspect and explore block #4390176 using this link to solve the below question.**

What is the total difficulty for block #4390176 in Ethereum Blockchain? Provide the answer in the box below.

122679707450298459856 3

Correct Response

Correct!

0 / 1 point

3. **Inspect and explore the transaction with the hash "0x5edb69874d0900d8857468fbe53715cc1a58137709b8b70e46299bf10983dc09" using this link.**

Approximately, how many Ethers are transferred in this transaction?

- 4434720 ethers
- 913.268 ethers
- 0.00042 ethers

This should not be selected
Incorrect. Please visit the link again and verify the value.

- 21000 ethers

1 / 1 point

4. **Inspect and explore the transaction with the hash "0x5edb69874d0900d8857468fbe53715cc1a58137709b8b70e46299bf10983dc09" using this link.**

What is the address of the sender in this transaction? Provide the answer below in the textbox.

0xf9fba58d8345bd3100c5adf3b8b5193

Correct Response
Correct!

5. Which of the following is true about an externally owned account (EOA) in Ethereum Homestead?

1 / 1 point

- EOAs execute code when triggered by a transaction.
- EOAs can send transactions (ether transfer or invoke a contract code)

Correct
Correct!

- EOAs have associated code with them.

6. External Owned Accounts (EOA) are controlled by ___.

1 / 1 point

- Private Key

Correct
Correct!

- Hash of the first transaction by that account
- Public Key
- Public Key and Private Key

7. What is the differentiating factor between the Ethereum Blockchain and the Bitcoin blockchain?

1 / 1 point

- Currency Exchange
- Distributed ledger

- [x] Smart contracts

Correct
Correct!

- [ ] Wallets

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1 / 1 point

8. Calculate the amount of gas points required to execute an operation that involves 2 steps and 1 load from memory. Use the following image.

Operation name	Gas Cost
Step	1
Load from memory	20
Store into memory	100
Transaction base fee	21000
Contract creation	53000
...	...

- [ ] 42
- [ ] 23
- [ ] 1
- [x] 22

Correct
Correct!

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9. What is the correct sequence involved in a block creation:

1 / 1 point

1. Transactions validated

2. Transactions Bundled & broadcasted

3. Transaction initiated

4. Block added to the local chain and propagated to the network.

5. Proof of work consensus problem solved

- 5,3,1,2,4
- 3,1,2,5,4

Correct
Correct!

- 1,2,3,4,5
- 3,2,1,4,5