

✓ **Congratulations! You passed!**

Grade
received **100%**

Latest Submission
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To pass 80% or
higher

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

1 / 1 point

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

0xc253f0917b33b2947b4d9cdb7ad656cc0233ef1781984384284f3a91810a8a36

✓ **Correct**
Correct!

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

1 / 1 point

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

1,226,797,074,502,984,598,563

3. **Inspect and explore the transaction with the hash**

1 / 1 point

“0x5edb69874d0900d8857468fbe53715cc1a58137709b8b70e46299bf10983dc09” using [this link](#) .

Approximately, how many Ethers are transferred in this transaction?

- ☒ 913.268 ethers
- ☐ 4434720 ethers
- ☐ 21000 ethers
- ☐ 0.00042 ethers

 **Correct**
Correct!

4. **Inspect and explore the transaction with the hash**

1 / 1 point

“0x5edb69874d0900d8857468fbe53715cc1a58137709b8b70e46299bf10983dc09” using [this link](#) .

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

0xF9fbA58d8345bD3100C5AdF3b8B51938E5dA0a9D

 **Correct**

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

1 / 1 point

- ☒ EOAs can send transactions (ether transfer or invoke a contract code)
- ☐ EOAs execute code when triggered by a transaction.
- ☐ EOAs have associated code with them.

✓ **Correct**
Correct!

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

1 / 1 point

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

✓ **Correct**
Correct!

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

1 / 1 point


- ☒ Smart contracts
- ☐ Currency Exchange
- ☐ Wallets
- ☐ Distributed ledger

✓ **Correct**
Correct!

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.

1 / 1 point

Operation name	Gas Cost
Step	1
Load from memory	20

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

- ☐ 1
- ☒ 22
- ☐ 42
- ☐ 23

 **Correct**
Correct!

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

☒ 3,1,2,5,4

☐ 5,3,1,2,4

☐ 1,2,3,4,5

☐ 3,2,1,4,5

☒ **Correct**
Correct!