

Question 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.

Enter answer here:

Question 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.

Enter answer here:

Question 3

Inspect and explore the transaction with the hash “0x5edb69874d0900d8857468fbe53715cc1a58137709b8b70e46299bf10983dc09” using [this link](#).

Approximately, how many Ethers are transferred in this transaction?

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

Question 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.

Enter answer here:

Question 5

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

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

Question 6

External Owned Accounts (EOA) are controlled by ____.

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

Question 7

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

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

Question 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
...	...

- ☐ 1
- ☒ 22
- ☐ 23
- ☐ 42

Question 9

What is the correct sequence involved in a block creation:

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

- ☐ 3,2,1,4,5
 - ☒ 3,1,2,5,4
 - ☐ 1,2,3,4,5
 - ☐ 5,3,1,2,4
-