ADVANCED
QUIZ

1 **What is a hash function?**
A A hardfork
B UTXO
C Gas
D Takes an input of any length and returns a fixed-length string of numbers and letters

2 **What characteristic makes blockchain tamper-proof?**
A Immutability
B Cryptocurrency
C Servers
D VPNs

3 **What is the name of the research paper that brought Bitcoin to the world?**
A Black Paper
B White Paper
C Green Paper
D Mauve Paper

4 **Bitcoin uses UTXO, Ethereum uses:**
A Double Spend
B UTXO
C Account Balance
D Smart Contracts

5 **What are sidechains?**
A Another term for a hash function
B Smart Contracts that have forked off the main blockchain
C A parallel network running adjacent to the main blockchain network for additional security
D Any mechanism that allows tokens from one blockchain to be securely used within a completely separate blockchain

6 **What is a LiteClient?**
A A server
B A platform to devolop dApps
C Allows users to interact with the blockchain without downloading the whole blockchain
D A type of cryptocurrency

7 **What is a Masternode?**
A Two nodes sharing resources
B A single node that runs the whole network
C Master of all Nodes!!!
D A node that provides additional supervisory network service

8 **In Bitcoin, when do miners earn block rewards?**
A When a block is successfully mined
B When they log on the network
C By maintaining accurate records
D Upon node installation

9 **What consensus model does bitcoin use?**
A Proof of Concept
B Proof of Authority
C Proof of Work
D Proof of Stake

10 **What is the variable that the nodes mining bitcoin race to solve?**
A The hash value
B A Nonce
C Hash power
D Transaction volume

ANSWER KEY

1:D 2:A 3:B 4:C 5:C 6:C 7:D 8:A 9:C 10:B