higher

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1.	Satoshi Nakamoto's original 2008 bitcoin white paper: O was about creating a second generation of the internet O sought to shange civilization and reinvent business	1/1 point
	 sought to change civilization and reinvent business was written about a specific cryptocurrency, but implicitly described broader blockchain design principles All of the above Correct 	
2.	 What is the double-spend problem? A doubling in the amount of time spent waiting for a settlement to clear using traditional payment methods compared to blockchain-based payments. The idea that when making a purchase, a consumer must spend double the value of an item when paying in cryptocurrency compared to fiat currency, regardless of current exchange rates. A form of fraud in which the same unit of currency is spent in more than one transaction. A system of accounting in which each financial transaction is recorded using two different entries (i.e. a debit and a credit), and is prone to human error and dishonest manipulation. 	1/1 point
3.	How is <i>integrity</i> achieved in a blockchain network? The integrity of a blockchain network relies on humans who choose to do the right thing. Trusted third parties verify people's identities and vouch for their reputations. Consensus mechanisms, such as <i>proof of work</i> or <i>proof of stake</i> , allow a securely distributed group of peers to confirm transactions and achieve network consensus. There are currently no means of achieving integrity within a blockchain network.	1/1 point
4.	What is the main benefit of distributing power across a peer-to-peer network? The actors in a peer-to-peer network are more trustworthy than those in a centralized system. No single party or central authority can shut the system down. Large-scale changes to the network protocol can be implemented easily. The decision-making process is much more efficient in a peer-to-peer network than in a centralized system.	1/1 point
5.	Which of the following is true regarding the incentive structures of a blockchain? Select all that apply. ✓ Incentives are what encourage network participants to cooperate and create the value that will ensure the success of the blockchain. ✓ Correct The incentive structures of a blockchain have little bearing on the security of the network.	1/1 point
6.	 ✓ Paradoxically, acting in one's own self-interests benefits the peer-to-peer network. ✓ Correct ✓ On a blockchain, there is no economic benefit to performing a Sybil attack. ✓ Correct Which of the following refers to an advanced form of asymmetric cryptography wherein users get two keys: One for encryption and one for decryption? ● PKI SHA-256 ● ERC-20 ICO ✓ Correct 	1/1 point
7.	How is <i>privacy</i> established in a public blockchain, given that it can be viewed by anyone at any time? There are currently no methods for establishing privacy on a public blockchain. Users are only able to see transactions in which they were directly involved (e.g. as a sender or recipient). Internet Service Providers do not track the IP addresses of devices that are connected to a blockchain network. Parties are represented pseudonymously using public addresses; a single party can own multiple public addresses.	1/1 point
8.	A blockchain can be designed to support higher levels of transparency, should all stakeholders agree to do so. The ideal situation for privacy vs. transparency would be: Privacy for individuals Correct Transparency for individuals	1/1 point
9.	 □ Privacy for organizations, institutions, and public officials ☑ Transparency for organizations, institutions, and public officials ☑ Correct How could blockchain technology benefit an artist? ○ With blockchain, an artist could register a hash of his/her creative work, thereby providing an immutable, time-stamped proof of existence, authorship, and copyright ownership. ○ With smart contracts, an artist could be paid directly from fans without multiple intermediaries taking a cut. ○ With smart contracts, an artist could assign and automatically enforce customized usage rights for his/her work to another party. ● All of the above 	1/1 point
10	 Correct In what sense do public blockchains support financial inclusion? Users do not require a birth certificate, home address, or proof of citizenship in order to join the network. There is no minimum account balance required to participate in the network. 	1/1 point

O The infrastructure makes micropayments feasible, thereby lowering the barriers to investing,

entrepreneurship, and participation in global trade.

All of the above

⊘ Correct