

Name _____

Unlocking the Mystery of Encryption: Keeping Your Secrets Safe in Cybersecurity

Multiple Choice Questions

1. What is the main purpose of encryption in cybersecurity?
 - a) To make data easier to read
 - b) To keep data private and secure
 - c) To slow down internet speed

2. What is the decryption key used for in the process of encryption and decryption?
 - a) To scramble the message
 - b) To send the message
 - c) To unlock and reveal the original message

3. Which type of encryption uses two different keys—a public key for encryption and a private key for decryption?
 - a) Symmetric Encryption
 - b) Asymmetric Encryption
 - c) Triple Encryption

4. Why is encryption important for online transactions, such as shopping or banking?
 - a) To make transactions faster
 - b) To add complexity to the process
 - c) To keep financial data safe from unauthorized access

5. What is the main difference between symmetric and asymmetric encryption?
 - a) Symmetric encryption uses one key for both encryption and decryption, while asymmetric encryption uses two different keys.
 - b) Symmetric encryption is faster than asymmetric encryption.
 - c) Asymmetric encryption requires a physical key.

