

1. What are the two forms of authenticated modes of operations?

- A. Single-sided and double-sided
- B. Disconnected and mutual
- C. Single-sided and mutual
- D. Dual and unilateral

Answer: _____

2. Authenticated modes of encryption validate the integrity of the ciphertext, verifying it has not been modified.

- A. True
- B. False

Answer: _____

3. What is a mode of operation?

- A. The choice on boot between running in BIOS or loading the OS
- B. Choosing whether to work with traditional medicine or black magic
- C. Determining whether the game difficulty is easy, medium, hard, or impossible
- D. An algorithm used with a block cipher to make an encryption algorithm

Answer: _____

4. Which of the following is true about CTR mode?

- A. It authenticates and encrypts at the same time
- B. It is a block cipher acting like a stream cipher
- C. It is a stream cipher acting like a block cipher
- D. The counter decreases by one from one block to the next

Answer: _____

5. What is a blockchain?

- A. A chain of block ciphers
- B. a distributed and immutable public ledger
- C. A series of encryption algorithms designed to secure governmental data
- D. None of the above

Answer: _____