

Secret Codes and Hidden Messages

Cryptography · Answer Key · 12 Questions

1. What is the main goal of cryptography?

- A) To make messages visible to everyone
- B) To keep information secret and private**
- C) To speed up message delivery
- D) To create new languages

2. What is the process of turning readable information into a secret code called?

- A) Decryption
- B) Encoding
- C) Encryption**
- D) Hiding

3. What do you call the secret key or method used to scramble and unscramble messages?

- A) A password
- B) An algorithm
- C) A cipher**
- D) A message

4. Which famous historical figure used a simple substitution cipher where each letter is shifted a certain number of places down the alphabet?

- A) Leonardo da Vinci
- B) Isaac Newton
- C) Julius Caesar**
- D) Albert Einstein

5. When you read a secret message that has been scrambled, what is that process called?

- A) Encoding
- B) Decryption**
- C) Encryption
- D) Scrambling

6. What is a common example of a simple substitution cipher where each letter is replaced by a symbol?

- A) Caesar Cipher
- B) Pigpen Cipher**
- C) Vigenère Cipher
- D) Atbash Cipher

7. In cryptography, what is a 'plaintext'?

- A) A secret code message
- B) Readable, original information**
- C) The key used to unlock a message
- D) A scrambled word

8. What is a 'ciphertext'?

- A) Readable, original information
- B) A secret code message**
- C) The method for scrambling
- D) The key to unlock a message

9. The Enigma machine was famously used during World War II to encrypt and decrypt messages. What type of cipher did it primarily use?

- A) Substitution Cipher
- B) Transposition Cipher
- C) Polyalphabetic Cipher**
- D) Caesar Cipher

10. What is a simple way to explain that cryptography helps keep our online information safe?

- A) It makes our computers run faster
- B) It hides our messages and data from people who shouldn't see them**
- C) It helps us find things on the internet
- D) It makes games more fun

11. Which of these is an example of a modern form of cryptography used in online shopping to protect your credit card details?

- A) Morse Code
- B) Pigpen Cipher
- C) SSL/TLS**
- D) Semaphore Flags

12. What is the primary benefit of using strong cryptography in communication?

- A) To make messages longer
- B) To ensure only the intended recipient can understand the message**
- C) To make messages look more complicated
- D) To add extra sounds to messages