What is the process called that converts plaintext into ciphertext?

- Encryption

What is a cipher?

- An algorithm used to encrypt and decrypt text

What is a caesar cipher and how does it work?

- A substitution cipher that shifts characters a certain number of positions in the alphabet

What is the process called that decrypts a message without knowing the cipher or the key used to encrypt it?

- Cryptanalysis

Which key is used to decrypt the message?

- The receiver's private key

Which key is distributed freely?

- Public key

What is a digital signature used for?

- To ensure the authenticity of the message

Why do you think encryption is necessary?

- So personal information is not easily accessible by random people around the world and to give individuals a sense of privacy.

Yes or No, Why do you think software companies should create backdoors for encryption to allow law enforcement to gain access to data for criminal investigations?

- No, a backdoor should only be implemented if it is necessary since law enforcement in Canada can only search once they have a warrant.