

Name \_\_\_\_\_

## Unlocking Secrets: The Connection Between Prime Numbers and Cryptography

### Short Answer

1. What is RSA encryption, and how does it rely on prime numbers?
2. Explain the process of generating public and private keys in RSA encryption.
3. Why is factoring the product of two large prime numbers considered difficult?
4. How does RSA encryption ensure secure communication?
5. What role do prime numbers play in cryptography beyond RSA encryption?

