1. Complete the following table, describe the encryption and decryption process for each cipher, and how each can be broken.

| **Cipher** | **Encryption process** | **Decryption process** | **How it can be broken** |
| --- | --- | --- | --- |
| Caesar |  |  |  |
| Simple substitution |  |  |  |
| Vigenere |  |  |  |

1. Explain why the benefits of symmetric ciphers are negated by the issue of key exchange.

**Portfolio Reflection Questions**

**Make a copy** of this document in your Portfolio Assignments folder and answer these questions in the spaces below. Once complete, turn in this assignment according to the steps given by your teacher.

[6.6 Cryptography Basics Curriculum Page](https://runestone.academy/runestone/books/published/mobilecsp/Unit6-Communication-Through-Internet/Cryptography-Basics.html)

Answer the following questions:

1. Complete the following table, describe the encryption and decryption process for each cipher, and how each can be broken.

| **Cipher** | **Encryption process** | **Decryption process** | **How it can be broken** |
| --- | --- | --- | --- |
| Caesar |  |  |  |
| Simple substitution |  |  |  |
| Vigenere |  |  |  |

2. Explain why the benefits of symmetric ciphers are negated by the issue of key exchange.

**Answer**

|  |
| --- |