1. Describe in your own words how internet sites use public key encryption and certificates to provide security.
2. Cryptography relies on open standards, protocols or standards that are publicly available. Why are open standards necessary for internet security?
3. What website (not mentioned in this lesson) do you visit that uses https? What data does the site use that needs to be secure?

**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.

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

Answer the following questions:

1. Describe in your own words how internet sites use public key encryption and certificates to provide security.

**Answer**

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| --- |

2.Cryptography relies on open standards, protocols or standards that are publicly available. Why are open standards necessary for internet security?

**Answer**

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| --- |

3. What website (not mentioned in this lesson) do you visit that uses https? What data does the site use that needs to be secure?

**Answer**

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| --- |