Quiz: Payment Encryption

Due Mar 1 at 3:30pm **Points** 6 **Questions** 6 **Time Limit** 10 Minutes

Instructions

This is an individual quiz with a 10 minutes limit.

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	3 minutes	4 out of 6

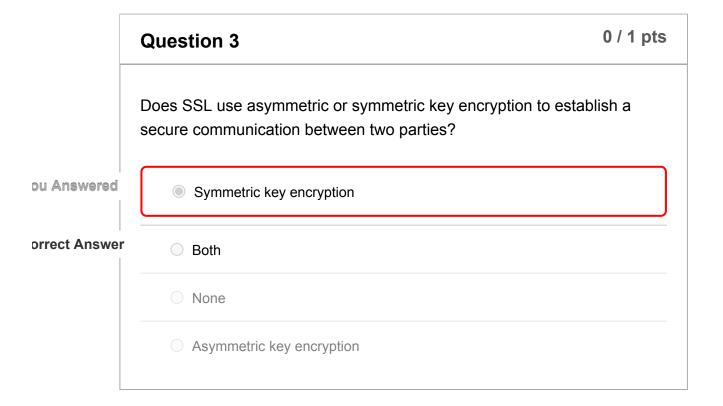
Score for this quiz: **4** out of 6 Submitted Feb 9 at 11:13pm This attempt took 3 minutes.

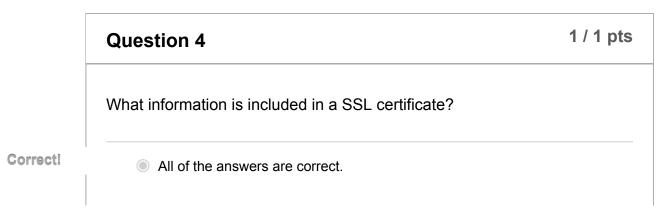
	Question 1	1 / 1 pts
	What does SSL mean?	
	Strong Secure Layout	
Correct!	Secure Sockets Layer	
	Secure Sourcing Layer	
	Strong Secure Layer	

Question 2 1 / 1 pts

Who are certificate authorities?

	7 7 7
	They are authorities that certify that the connection between you and your bank is secure.
	They are certificates released by authoritarian regimes.
Correct!	They are trusted entities that issue digital certificates verifying the website identity.
	They are banks that provide certificates to their clients





	Certificate of Authority Signature.
0 0	Company's IP address.
0 0	Company's public key.

Question 5 0 / 1 pts

How does my browser verify that the SSL certificate received from a website is valid?

- It checks that the CA website is functioning correctly.
- It trusts the Certificate Authority.

ou Answered



It checks that the CA public key matches the SSL CA certificate, which is pre-loaded on the browser.

orrect Answer



It checks that the SSL CA signature matches the public key of the CA, which is pre-loaded on the browser.

Question 6 1 / 1 pts

Once the browser verifies the identity of the website, how does it establish a secure communication channel?

	It uses the browser's private key to generate a signature that is then shared with the website.
	SSL is not a secure communication system.
Correct!	It uses the public key of the website contained in the SSL certificate to encrypt a common symmetric key that is then sent to the website.
	It uses the public key of the browser contained in the SSL certificate to encrypt an asymmetric key that is then sent to the website.

Quiz Score: 4 out of 6