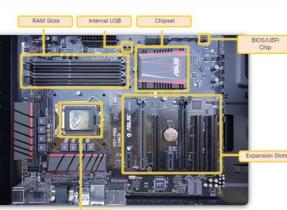
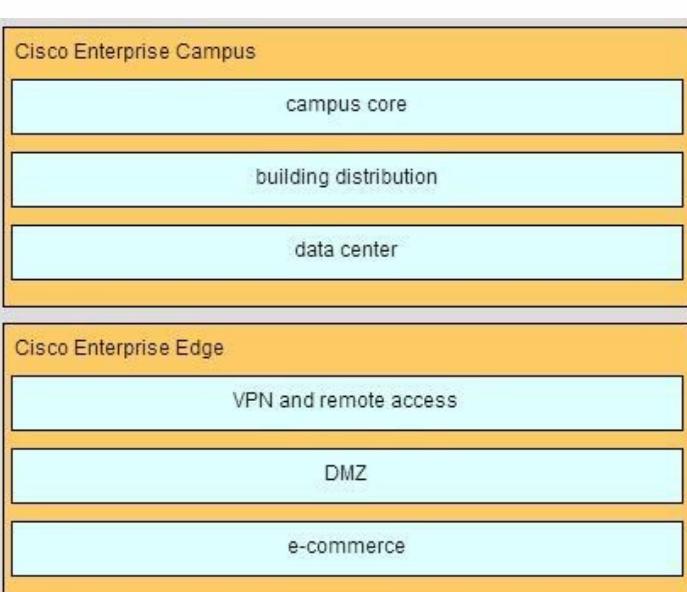


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- DH
- PSK
- IKE
- **AES\***
- **3DES\***

16. Which algorithm is an asymmetrical key cryptosystem?

- **RSA\***
- AES
- 3DES
- DES

17. Which two algorithms use Hash-based Message Authentication Code for message authentication? (Choose two.)

- 3DES
- DES
- AES
- MDS\*
- SHA\*

18. Which three statements describe the building blocks that make up the IPsec protocol framework? (Choose three.)

- IPsec uses encryption algorithms and keys to provide secure transfer of data.\*
- IPsec uses Diffie-Hellman algorithms to encrypt data that is transferred through the VPN.
- IPsec uses 3DES algorithms to provide the highest level of security for data that is transferred through a VPN.
- IPsec uses secret key cryptography to encrypt messages that are sent through a VPN.\*
- IPsec uses Diffie-Hellman as a hash algorithm to ensure integrity of data that is transmitted through a VPN.
- IPsec uses ESP to provide confidential transfer of data by encrypting IP packets.\*

19. A network design engineer is planning the implementation of an IPsec VPN. Which hashing algorithm would provide the strongest level of message integrity?

- SHA-1
- MD5
- AES
- **512-bit SHA\***

20. What is the purpose of utilizing Diffie-Hellman (DH) algorithms as part of the IPsec standard?

- DH algorithms allow unlimited parties to establish a shared public key that is used by encryption and hash algorithms.
- **DH algorithms allow two parties to establish a shared secret key that is used by encryption and hash algorithms.\***
- DH algorithms allow unlimited parties to establish a shared secret key that is used by encryption and hash algorithms.
- DH algorithms allow two parties to establish a shared public key that is used by encryption and hash algorithms.

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