

1.

What network protocol helps data get to the right place by determining the MAC address of the next router or device on its path?

1 / 1 point

☐

Transmission Control Protocol (TCP)

☒

Address Resolution Protocol (ARP)

☐

Secure Sockets Layer/Transport Layer Security (SSL/TLS)

☐

Hypertext Transfer Protocol Secure (HTTPS)

☒

Correct

2.

Fill in the blank: The _____ maintains Wi-Fi standards.

1 / 1 point

☒

IEEE 802.11

☐

Transmission control protocol (TCP)

☐

Domain name system (DNS)

☐

WiFi protected access (WPA)

☒

Correct

3.

Fill in the blank: A ____ firewall operates based on predefined rules. It is not used to keep track of information from data packets.

1 / 1 point

☐

next-generation firewall (NGFW)

☐

stateful

☐

cloud-based

☒

stateless

☒

Correct

4.

Which of the following types of firewalls can perform deep packet inspection and intrusion detection?

1 / 1 point

☐

Stateful firewall

☒

Next generation firewall (NGFW)

☐

Stateless firewall

☐

Documented firewall

☒

Correct

5.

A security professional sets up a security measure to allow employees to work from home securely while having access to internal network resources. What does this scenario describe?

1 / 1 point

☒

Virtual private network (VPN)

☐

Cloud service provider (CSP)

☐

Firewall

☐

Address resolution protocol (ARP)

☒

Correct

6. Fill in the blank: VPN services perform _____ to protect sensitive data by wrapping it in other data packets.

1 / 1 point

☐ transmission control

☒ encapsulation

☐ packet sniffing

☐ network segmentation

✔ Correct

Please review [the video about virtual networks](#) ↗.

7. What network zone contains the internet and other services that are outside of an organization’s control?

1 / 1 point

☐ Restricted

☒ Uncontrolled

☐ Controlled

☐ Demilitarized

✔ Correct

8. What network zone acts as a network perimeter to the internal network by isolating servers that are exposed to the internet?

1 / 1 point

☒ Demilitarized zone

☐ Virtual private network

☐ Uncontrolled zone

☐ Restricted zone

✔ Correct

9. Fill in the blank: A _____ fulfills the requests of its clients by forwarding them to other servers

1 / 1 point

☒ proxy server

☐ firewall

☐ router

☐ virtual private network (VPN)

✔ Correct

10. How do forward proxy servers secure internal networks? Select two answers.

0.5 / 1 point

☒ They receive outgoing traffic from an employee, approve it, then forward it to its destination on the internet.

✔ Correct

☒ Both forward and reverse proxy servers add a layer of protection from the internet.

✘ This should not be selected

Please review [the video about securing internal networks](#) ↗.

☐ They are useful for protecting internal web servers that contain confidential data.

☐ They hide a user’s IP address and approve all outgoing requests.