Congratulations! You passed!

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1. The media access method used in wireless ethernet compensates for the fact that wireless nodes cannot detect a collision by sending out a jam packet to avoid a collision. Before and during transmission, devices check for jam signals. If a device detects a jam signal, it will stop transmitting. After a random delay, it will resume. What is the acronym for this media access method? (Please type only the acronym in upper case. Example: WAN)

1 / 1 point

CSMA/CA

Correct
Correct! With CSMA/CA, nodes can transmit whenever they have data to send. In CSMA/CA, nodes can transmit whenever they have data to send. Because there is no wire, wireless devices can't detect collisions. Instead, they send out a jam signal. A jam signal is a packet that informs other wireless devices that the node is about to start transmitting. It waits a short time and then begins to send the data. Before and during transmission, devices check for jam signals. If a device detects a jam signal, it will stop transmitting. After a random delay, it will resume.

2. What Layer 2 device is used to connect multiple nodes on a network and routes data only to the port with a device with the MAC address of the destination device? (Please type your answer all in lower case. Example: network)

1 / 1 point

switch

Correct
Correct! Hubs are Layer 1 devices that function as repeaters. They send the data to all the nodes. Switches connect nodes and route data only to the port that has the destination MAC address.

3. Which 802.11 standard introduced MIMO? (Please type only one or two letters.)

0 / 1 point

ac

Incorrect
You may want to review 802.11 Standards.

4. What device is used to look at traffic on a network? (Please type your one-word answer in lower case. Example: network)

1 / 1 point

sniffer

Correct
Correct! Packet Sniffers allow administrators to capture network traffic. Then the administrator can examine the actual data passing across the network.