

In a sentence that a non-technical friend or family member would understand, what is the internet?

1 point

Internet is a vast network that connects many computers all over the world to communicate with each other.

What does it mean if a URL begins with https:// as opposed to http://?

1 point

Both are hypertext transfer protocols used on the internet to request data from web servers. Where HTTPS allows secure communication with the web servers, It contains the standard security technology that establishes an encrypted connection.



What does a DHCP server do?

1 point

DHCP servers is a network server that automatically provides and assigns IP addresses to the client devices.

What is the purpose of a subnet mask?

1 point

The purpose of a subnet mask is to divide IP addresses into two parts. One part identifies the host and the other part identifies the network to which it belongs.

Recall that TCP (tries to) guarantee delivery by ensuring that any lost packets are resent. Provide a *specific* reason why packets be lost between a sender and receiver.

1 point

Packet loss is either caused by errors in Data transmission, Switches, Routers, Security threats, Network congestion, or other network failures.

What purpose does a cable modem serve, in the context of home networking?

1 point

A cable modem provides a connection to the internet. It allows the devices to connect via cable and connecting a router to the cable modem allows wireless connectivity to connect different devices to the internet.



In what sense are domain names similar to phone numbers like 1-800-COLLECT?

1 point

We access websites using domain names like www.google.com, but DNS converts this domain name into its IP address. It's similar to the phone numbers.



What is a "protocol"?

1 point

A protocol is a set of rules for transmitting data between different devices.

Identify a problem that IPv6 is attempting to solve.

1 point

Using IPv4, we are running out off of IP addresses to solve this situation the IPv6 was specifically designed. IPv6 uses 128 bits, allowing more devices to be connected.

What elements make up a "packet"?

1 point

The delivery IP address, the return IP address, and a list of numbers of packets on each envelope.

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