

Quiz 1.2 - The Network Edge

Due Jan 12 at 11am

Points 13

Questions 10

Time Limit None

Allowed Attempts Unlimited

Instructions

- This quiz is open-note. You are encouraged to watch the relevant video for this quiz before and/or during the quiz.
- You have unlimited attempts to complete the quiz. Only the highest grade will be kept.

Take the Quiz Again

Attempt History

	Attempt	Time	Score
KEPT	Attempt 2	2 minutes	12.2 out of 13
LATEST	Attempt 2	2 minutes	12.2 out of 13
	Attempt 1	36 minutes	10.4 out of 13

⚠ Correct answers are hidden.

Score for this attempt: **12.2** out of 13

Submitted Jan 11 at 9:29am

This attempt took 2 minutes.

Question 1

1 / 1 pts

Which of the following are considered access technologies?

☒ Cable

☒ Wifi/WLANs (802.11)

☒ Ethernet

- ☒ DSL over telephone line
- ☐ Hosts
- ☐ Network Edge
- ☐ End Systems
- ☒ Cellular (e.g., 3G, 4G, 5G)

Question 2**1 / 1 pts**

What is the approach called that allows cable networks to support multiple users simultaneously transmitting over a single line?

Frequency Division Multiplexing

Partial**Question 3****1.2 / 2 pts**

Order the access technologies by capable download bandwidth from least (1) to greatest (5).

Note: some of the numbers given here are somewhat dated, just go off of what was in the video. If there is a range, compare both the minimum and maximum of the range; they should still line up.

Least bandwidth (1)

Cellular

**Second least bandwidth (2)**

DSL

**Middle bandwidth (3)**

Wifi/WLANs

**Second most bandwidth (4)**

Cable

**Most bandwidth (5)**

Ethernet

**Question 4****1 / 1 pts**

Is a home network considered an access network?

☒ yes☐ no**Question 5****1 / 1 pts**

How long (in seconds) would it take to transmit (i.e., send) a packet of 1500 bits into a connection with transmission rate of 750 bps?

Enter only the *number* of seconds as a float or integer.

2

Question 6**1 / 1 pts**

How long (in seconds) would it take to transmit (i.e., send) a packet of 1500 bits into a connection with transmission rate of 3000 bps?

Enter only the *number* of seconds as a float or integer.

Question 7

1 / 1 pts

Which of the following media are considered guided?

☐ Microwave

☐ Cellular

☐ Wireless LAN

☐ Bluetooth

☒ Coaxial Cable

☒ Fiber Optic

☐ Satellite

☒ Twister Pair (i.e., Ethernet)

Question 8

1 / 1 pts

Which of the following media are considered unguided?

☐ Twister Pair (i.e., Ethernet)

☒ Wireless LAN☒ Cellular☒ Microwave☒ Bluetooth☐ Coaxial Cable☐ Fiber Optic☒ Satellite**Question 9****1 / 1 pts**

What are some disadvantages of unguided media? (as opposed to guided)

☒ Attenuation (i.e., signal fading over distance)☒ Reflection☒ Interference☒ Eavesdropping☐ Physical installation overhead**Question 10****3 / 3 pts**

Match the definition with its term (mostly as defined in the video).

**network that connects the
end systems into the larger
global internet**

access network



chunks of data

packet



**the transmission medium
between a
transmitter/sender and
receiver**

link



Quiz Score: **12.2** out of 13