Data Communication Worksheet

Draw lines to match the names of transmission media with the images



Coaxial cable | Unsheilded Twisted pair cable | Sheilded Twisted pair cable | Fibre optic cable

When transmission of the data flows along a set channel we call that channel guided transmission. Whenever it doesn't have a set route to flow then we call it unguided.

Which of the following would be an example of guided transmission?

Radio waves | Coaxial cable | Microwaves | Infra-red

Which would be an example of unguided transmission?

Radio waves | Coaxial cable | Ethernet cable | USB cable

Which type of wired media is best for transmitting data over long distances without losing quality?

Twisted pair cable | Coaxial cable | Fibre optic cable | USB cable

This is because the signals a wireless device transmits are more powerful than the ones it receives. This causes the devices to not be able to transmit and receive at the same time. Based on this statement, which is true about wireless transmission

Operates on full duplex | Operates on half duplex | Operates on simplex | Does not operate

which is also true about wireless transmission?

Faster than wired | Is not affected by objects and walls | Slower than wired

LIVEWORKSHEETS

Use the words below to fill in the blanks. Questions highlighted in green are for extra reading and enrichment (bonus question) and will not count toward your score.

IP	nodes	modem	switch	Router	Network Interface Card	wireless	workstation

Fill in the following blanks with the correct answer :

1.....convert computer's digital signal into an analogue signal for transmission over an existing telephone line and also revers process.

2 ..... Is every device connected to a network

3..... it's similar to hub but more secure and efficient .

4 Each device or computer on a network has a ..... address that uniquely identifies it.

5..... are device that connect LAN to another LAN that uses the same protocol.

6..... enable data packet to be routed between the different networks.

7..... protect the computers on a network.

8. Is every device connected to a network is called a ....

9..... is needed to allow a device to connect to a network.

10. Computer system use ..... or network cable to connect to the network.

LIVEWORKSHEETS