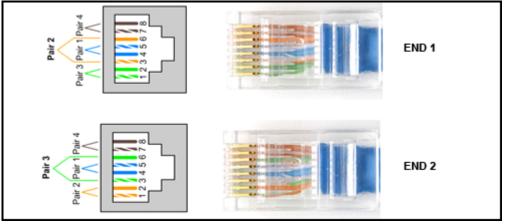
<u>1</u>		
	Who	at subnet mask would be used if a company using 172.16.0.0 wants to leave 6 bits for host bits?  255.255.0.0
		255.255.240.0
		255.255.250.2
	0	255.255.255.192
		25512551255125
<u>2</u>	14/6	and in the formation of a COLUMNIA
	ovne	at is the function of a CSU/DSU?  It converts user data into an acceptable form to be sent over a WAN link.
		It protects user data from unauthorized access when transmitted over a WAN.
		It limits the geographic area in which a WAN operates.
		It converts between temporary and permanent WAN connections.
		The control of the second control of the sec
<u>3</u>	_	
		ompany is planning to subnet its network for a maximum of 27 hosts. Which subnet mask would vide the needed hosts and leave the fewest unused addresses in each subnet?
		255.255.255.0
		255.255.255.192
	0	255.255.254
		255.255.255.240
		255.255.255.248
<u>4</u>	Who	at are three characteristics of UTP cabling? (Choose three.)
		inexpensive
		easy to install
		requires an AUI adapter
		normally used in a WAN environment
		normally used in a star topology
		distance limitation of 185 meters
<u>5</u>	A n	etwork administrator is required to use media in the network that can run up to 100 meters in cable
	leng	th without using repeaters. The chosen media must be inexpensive and easily installed. The
		allation will be in a pre-existing building with limited cabling space. Which type of media would best et these requirements?
		STP
	0	UTP
		coaxial
		single-mode fiber
		multimode fiber

What type of network cable is used between a terminal and a console port?

<u>6</u>

		cross-over		
		straight-through		
	0	rollover		
		patch cable		
_				
<u>7</u>	Whi	ch device is used to create or divide broadcast domains?		
		hub		
		switch		
		bridge		
	0	router		
		repeater		
_				
<u>8</u>	Нои	v many host addresses may be assigned on each subnetwork when using the 130.68.0.0 network		
		ress with a subnet mask of 255.255.248.0?		
		30		
		256		
	0	2046		
		2048		
		4094		
		4096		
•				
<u>9</u>	Whi	ch option identifies the primary interface which would be used for initial configuration of a Cisco router?		
		AUX interface		
		Ethernet interface		
		serial interface		
	0	console interface		
<u>10</u>	Which subnet mask would be assigned to the network address of 192.168.32.0 to provide 254 useable host addresses per subnetwork?			
		255.255.0.0		
	0	255.255.255.0		
		255.255.254.0		
		255.255.248.0		



Refer to the exhibit. A student working in the lab selects a cable that is wired as shown. Which connection types can successfully be made with this cable? (Choose two.)

	connecting a PC to a router's console port
--	--

- connecting two routers together via their fast ethernet ports
- connecting two switches together at gigabit speeds
- connecting a PC to a switch at Gigabit Ethernet speeds
- connecting two devices with the same interface type at Fast Ethernet speeds

<u>12</u>

## What makes fiber preferable to copper cabling for interconnecting buildings? (Choose three.)

- greater distances per cable run
- lower installation cost
- limited susceptibility to EMI/RFI
- durable connections
- greater bandwidth potential
- easily terminated

<u>13</u>

## What does the term "attenuation" mean in data communication?

- loss of signal strength as distance increases
- time for a signal to reach its destination
- leakage of signals from one cable pair to another
- strengthening of a signal by a networking device