1. Tabitha will direct bury a thin coax cable between the main building and the warehouse. The line will connect from the server to the warehouse workstation. There will be 50-ohm line terminators on each end of the cable. What topology is Tabitha using?

2. Michael will install a switch in the server room and run cables from there to the patch panel. From the patch panel, the cables will run up to the drop ceiling and in cable trays, they will go straight to each office. What topology is Michael using?

3. In the Livingston Hospital, there is a primary Category cable going to critical workstations and machines. Each machine has an extra RJ45 port where we have a secondary cable plugged into them. Both primary and secondary connections are connected to primary and secondary switches respectfully. All critical devices also have a slower wireless connection set to talk to the wireless access points that are located throughout the hospital. What type of topology does the Livingston Hospital have?

4. In the proposal for the airfield control network, the company wants to run a fiber optic loop to each piece of equipment. The end of the fiber optic cable returns to the original transceiver. What type of topology is the company proposing?

5. Abigail will put 12 computers, 1 server and 1 printer into the law office. She will connect to the ISP by older coax cable, but soon plans to upgrade to fiber optic when the supplier runs it to her part of town. What kind of network does Abigail have in her office?

6. What are five characteristics of a Local Area Network (LAN)?

7. What are five characteristics of a Campus Area Network (CAN)?

8. What are five characteristics of a Metropolitan Area Network (MAN)?

9. What are five characteristics of a Wide Area Network (WAN)?

10. What is the network term for a high capacity communication cable that connects to the slower connections coming in from the rest of the metropolitan area?

11. What is the network terms for the time it takes for information to travel from one network device to the other?

12. Martha distributes the network to 15 computers using a 16 port switch. When she adds another room to the same LAN, she runs a single cable to another switch and from that switch she distributes the network to 12 computers using another 16 port switch. What type of network topology does Martha have?

13. What is the default name of the group used with the Windows operating systems?

14. What is the name of the Windows 7 feature for designing a dedicated group of computers working on a peer to peer network?

15. What is the name of a computer that controls access to a Domain, to a Virtual Private Network or to a web site?

16. How many bits in a TCP/IP version 4 IP address?

17. How many octets in a TCP/IP version 4 IP address?

18. What is the fastest speed that information can travel through a network?