**Introducing Networks**

**Chapter 25**

**You’ve done it before, you’ll do it again. Open PowerPoint Chapter 25 and this Word document, fill in the blanks.**

**HIGHLIGHT THIS TIME IN GRAY!**

**READ**

**YOU WILL UPLOAD TO THE HUB TO #1\_CHAP. 25 PPT\_WORD ASSIGNMENT**

1. A computer **\_\_\_\_\_\_\_\_\_\_\_\_** is two or \_\_\_\_\_\_\_\_\_ computers connected to one another to \_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
2. Networks allow \_\_\_\_\_\_\_\_\_ to work together, access \_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_, and \_\_\_\_\_\_\_\_\_\_ printers and other equipment.
3. To create a computer network, each\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and device must be able to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ with the network. This requires establishing the physical connection using **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**
4. To be able to connect with \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, some computers need a **network \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**, or **NIC**. The \_\_\_\_\_ handles the flow of data to and from the computer in both \_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ networks.
5. A **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** is a computer connected to a computer \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
6. In a large \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, a workstation is also called a **\_\_\_\_\_\_\_\_\_\_\_\_** by the people who take \_\_\_\_\_\_\_\_\_\_\_\_ of the network. A node is anything \_\_\_\_\_\_\_\_\_\_\_\_\_\_ to the network.
7. A **\_\_\_\_\_\_\_\_\_\_\_\_\_\_** is a node on your network that enables \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ with other networks.
8. Sometimes network users work at a **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**, which can feel as if the computer is \_\_\_\_\_\_\_\_\_\_\_, but it's not. Users are actually sharing time on a \_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
9. The communication on a network is called **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_**. Network traffic is the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of information sent by the network cards to carry \_\_\_\_\_\_\_\_\_\_ through the network wires to its destination.
10. For computers to \_\_\_\_\_\_\_\_\_\_\_\_ with one another, they must use the same **\_\_\_\_\_\_\_\_\_\_\_\_\_\_**. A protocol sets a standard format for data and \_\_\_\_\_\_\_\_\_ for handling it.
11. The protocols \_\_\_\_\_\_\_\_\_\_\_\_\_ use to communicate are often called a **\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_,** which is the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, of individual protocols that determines how the network operates.
12. There are two protocol categories: \_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
13. An **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** is available for anyone to use.
14. The most common open protocol is the **Transmission Control Protocol/Internet Protocol** (**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**), which is used by computers on the Internet.
15. A **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** is only available to people who buy \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ equipment, services, or computers.
16. A **\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**, or **LAN**, is a network in which all the workstations and other equipment are near one another.
17. People connected to a LAN can participate in **\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_**, where files are made available to more than one user on the network.
18. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** enables the network to help people work together more closely. Collaborative software is also called **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**.
19. A \_\_\_\_\_\_\_ allows users to access **\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** that are not connected directly to your computer, but are connected to the network.
20. In a **\_\_\_\_\_\_\_\_\_\_\_-\_\_\_\_\_\_\_\_\_\_\_\_\_-\_\_\_\_\_\_\_\_\_\_\_\_\_** (**P2PN**), the network is usually small, made up of two to ten computers, and all \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ on the network are equals.
21. A **client/\_\_\_\_\_\_\_\_\_\_\_\_\_ network** is one powerful computer that provides information and management services to the workstation computers which are called the **\_\_\_\_\_\_\_\_\_\_\_\_\_\_**.
22. The main computer in a client/server system is called the **\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_** or the \_\_\_\_\_\_\_\_\_\_\_\_\_\_.
23. The **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**, or **NOS**, manages and secures the entire network.
24. A **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** (**WAN**) connects computers and other resources that are miles or even continents apart.
25. To create a wide area network (WAN), LANs are connected through high-speed data lines called **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**.
26. Organizations attach to the backbone at a **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_** (**POP**).
27. To connect to the POP, **T1 lines** can be leased, and allow data to be sent at more than 1.5 \_\_\_\_\_\_\_\_\_\_\_ bps.
28. A **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_** (**PVC**) allows multiple users' data to travel a line at once. Most PVCs use a technology called **\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_**, which allows voice, data, and video to travel on the same line at the same time.
29. Most networks use **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_-\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** technology, where the sending computer divides information into tiny segments called **\_\_\_\_\_\_\_\_\_\_\_\_\_**.
30. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_-\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** can be used to transmit messages. It happens on a real, end-to-end connection between the sending computer and the receiving computer, which make up the **circuit**.
31. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** are network devices or programs that choose the best pathway for each packet. If there is **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**, or too much traffic, on the network, the router can delay some of the packets.
32. A **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_** allows a company to set up its own network.
33. Some companies set up a \_\_\_\_\_\_\_\_\_\_\_\_ data network that cannot be accessed by outsiders.
34. A **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** (**VPN**) is a private network set up through a public network.
35. A **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** (**MAN**) is a network that covers a large area.
36. Networks use firewalls as a level of \_\_\_\_\_\_\_\_\_\_\_\_\_\_. A **\_\_\_\_\_\_\_\_\_\_\_\_\_\_** is a filtering system that opens or blocks programs and **\_\_\_\_\_\_\_\_\_** to keep outside data from entering the network.
37. IF YOU HAVE ANY QUESTIONS, PLEASE EMAIL ME OR LEAVE A MESSAGE ON THE HUB. MY EMAIL ADDRESS- P00037595@HOUSTONISD.ORG