

STUDENT ACTIVITY 1.3_A_KEY: WIDE AREA NETWORKS

MTA Course: 98-366 Networking Fundamentals

Topic: 1.3_A Understand wide area networks

File name: NetFund_SA_1.3_A_Key

Lesson Objective

1.3_A: Understand wide area networks (WANs). This objective may include but is not limited to: leased lines, dial-up, ISDN, VPN.

Resources, software, and additional files needed for this lesson

- **Diffen: LAN vs WAN**
http://www.diffen.com/difference/LAN_vs_WAN
- **Microsoft.com Support WAN with WINS**
<http://support.microsoft.com/kb/120151>
- **Networking – Wide Area Network (WAN):**
<http://msdn.microsoft.com/en-us/library/ms898995.aspx>
- **Webopedia Wide Area Networks**
http://www.webopedia.com/TERM/W/wide_area_network_WAN.html
- **Wikipedia.org Wide Area Network**
http://en.wikipedia.org/wiki/Wide_Area_Network

Directions to the student

Answer the following questions:

Content

1. What are the probable benefits of networking?

Answer:

- 1) Speeds up business processes and squeeze out inefficiencies.

- 2) Information flows more freely and faster.
 - 3) Improved communication between employees, customers, and suppliers.
 - 4) Documents can be exchanged rapidly between networked users.
2. Identify which type of network is strictly used within an organization's network.
- a. MAN
 - b. WAN
 - c. LAN
 - d. VLAN

Answer: C, LAN

3. Identify the type of networking that provides for long distance transmission of data, voice, image, and video information between states and countries?
- a. LAN
 - b. MAN
 - c. VAN
 - d. WAN

Answer: D, WAN

4. Identify a high-speed digital communications network evolving from existing telephone services.
- a. VPN
 - b. ISDN
 - c. TCP/IP
 - d. DATA

Answer: B, ISDN

5. Remote server access provides what two different types of remote access connectivity?
- a. Dial-up remote access and virtual private network (VPN) remote access
 - b. VPN and dial-up remote access
 - c. TCP/IP and VPN
 - d. VPN and dial-up remote access

Answer: A, Dial-up remote access and virtual private network (VPN) remote access

6. Identify a communications channel that permanently connects two or more locations.
- a. Dedicated connection
 - b. Private line
 - c. Leased line
 - d. All (a, b, c)

Answer: D, All (a, b, c)