

STUDENT ACTIVITY 3.1_A: UNDERSTAND PROTOCOLS AND SERVICES

MTA Course: 98-366 Networking Fundamentals

Topic: Understanding protocols and services

File name: NetFund_SA_3.1_A

Lesson Objective

3.1_A: Understand the OSI model.

Resources, software, and additional files needed for this lesson

- None

Directions to the student

Complete the following by matching the correct answer with the question.

Content

- A.** Application, presentation, session, transport, network, data link, physical
- B.** Voltage levels, time of voltage changes, physical data rates, maximum transmission distances, physical connectors, and type of media
- C.** Two
- D.** Three
- E.** Seven
- F.** Layer 3, the network layer.
- G.** Protocol
- H.** Routing protocol
- I.** ITU-T
- J.** IETF

1. _____ What are the layers of the OSI model?
2. _____ Which layer determines path selection in an internetwork?
3. _____ What is defined at the physical layer?
4. _____ What directs the way computers exchange information over a network medium?
5. _____ How many sets of layers make up the OSI Layers?
6. _____ How many layers are in the Open System Interconnection?
7. _____ Defines rules for exchanging information between routers.
8. _____ What is the name of the standards agency for OSI?