

STUDENT ACTIVITY 3._A_KEY: UNDERSTAND PROTOCOLS AND SERVICES

MTA Course: 98-366 Networking Fundamentals

Topic: Understanding protocols and services

File name: NetFund_SA_3.1_A_Key

Lesson Objective

3.1: 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. **A** What are the layers of the OSI model?
2. **D or F** Which layer determines path selection in an internetwork?
3. **B** What is defined at the physical layer?
4. **G** What directs the way computers exchange information over a network medium?
5. **C** How many sets of layers make up the OSI Layers?
6. **E** How many layers are in the Open System Interconnection?
7. **H** Defines rules for exchanging information between routers.
8. **I** What is the name of the standards agency for OSI?