Chapter 2

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| **Across**  **2.** \_\_\_\_\_\_ generated in transport layer.  **7.** The \_\_\_\_\_\_ layer is the network dialog controller.  **10.** \_\_\_\_\_ address is the unique hardware address that is installed to the network card by its manufacturer.  **12.** Refers to a single sender or a single receiver, and can be used for both sending and receiving.  **13.** \_\_\_\_\_ addressing is an address which is given not by the software, but the hardware.  **15.** The \_\_\_\_\_\_ layer is responsible for the source-to-destination delivery of a packet possibly across multiple networks.  **17.** Sender to send the data only once, and all receivers receive a copy of it.  **18.** \_\_\_\_\_ generated in network layer.  **19.** Allow hosts and application to use a common language, performs data formatting, encryption and compression. | **Down**  **1.** \_\_\_\_\_ protocols refer to the family of local-area network (LAN) covered by the IEEE 802.3.  **3.** It is easier to have IP addresses assigned automatically.  **4.** The address which is given assigned in dynamic and static.  **5.** \_\_\_\_\_ is a layered framework for the design of network systems.  **6.** How many layers in OSI Model.  **8.** Decimal number between 0 and 255 represents each \_\_\_\_\_\_ octet.  **9.** Which TCP/IP model support communication between diverse devices across diverse networks?  **11.** Class A have 8 networks bits and 24 \_\_\_\_\_ bits.  **14.** \_\_\_\_\_ determines the best path through the network.  **16.** \_\_\_\_\_ are assigned by an organization known as the Internet Corporation for Assigned Names and Numbers (ICANN).  **20.** \_\_\_\_\_ breaks up a message into small pieces known as segments. |