OSI Model

Layer 1 (Physical): bitstream. 0 and 1’s physical connection

Layer 2 (Data link): provides reliable connection between machines. Also responsible for framing and MAC address control

Layer 3 (Network): **LAN:** local area network security control via MAC address

**Internet:** default gateway, IP etc.

Layer 4 (Transport): Ensures the message/packets are sent to the correct address. End to end communication

Layer 5 (Session): Keeps status of tabs. Maintains **communication** of sessions between applications. Refreshing shopping cart

Layer 6 (Presentation): **Enscyption**

Layer 7 (Application): **End users, file transfer,** HTTP, SMTP, FTP, and Telnet.

TCP/IP Model

Layer 1 (Physical)

Layer 2 (Data link or network access)

Layer 3 (Internet)

Layer 4 (Transport)

Layer 5 (Appliction)