ISO Open System Interconnect (OSI)

Application

What messages do we need to communicate?

Presentation

How are these messages encoded in bits?

Session

When do we begin and end connections to remote hosts?

Transport

How are connections maintained?

Network

How are messages routed to specific hosts?

Data Link

How are messages sent to attached devices?

Physical

How are messages transmitted through space?

Internet Protocol Suite

aka "TCP/IP"

Application

Application + Presentation

HTTP, SMTP, FTP, SSH, ...

Transport

Session + Transport

TCP, UDP, SCTP, ARP, ...

Internet

Network

IPv4, IPv6

Link

Data Link + Physical

Ethernet, 802.11, Bluetooth, USB, ...

