OSI model				
Layer			Protocol data unit (PDU)	Function
Host layers	7	Application	Data	High-level protocols such as for resource sharing or remote file access.
	6	Presentation		Translation of data between a networking service & an application: character encoding, data compression & encryption / decryption
	5	Session		Managing communication sessions, i.e., continuous exchange of info in the form of multiple back-and-forth transmissions between two nodes
	4	Transport	Segment, Datagram	Reliable transmission of data segments between points on a network, including segmentation, acknowledgement and multiplexing
Media layers	3	Network	Packet	Structuring and managing a multi-node network, including addressing, routing and traffic control
	2	Data link	Frame	Transmission of data frames between two nodes connected by a physical layer
	1	Physical	Bit, Symbol	Transmission and reception of raw bit streams over a physical medium