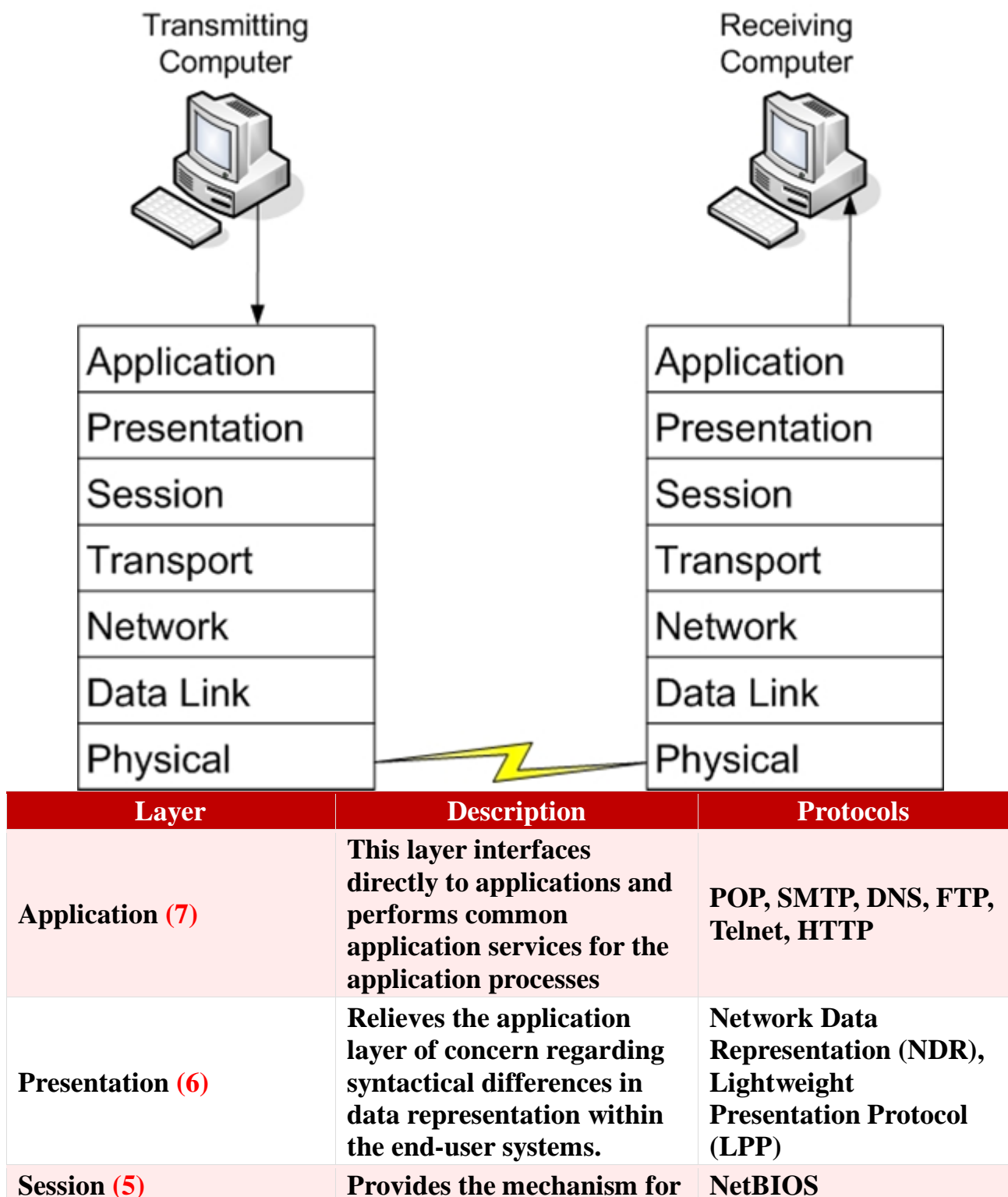


1.6 The OSI Model

The Open Systems Interconnect (OSI) model describes how networks communicate (see Table 1-3). It describes the various protocols and activities. It also states how the protocols and activities relate to each other. This model is divided into seven layers. It was originally developed by the International Organisation for Standardization (ISO) in the 1980s.



	managing the dialogue between end-user application processes	
Transport (4)	Provides end-to-end communication control	TCP,UDP
Network (3)	Routes information in the network	IP,ARP,ICMP
Data Link (2)	Describes the logical organisation of data bits transmitted on a particular medium. The data link layer is divided in two sublayers: the Media Access Control Layer (MAC) and the Logical Link Control Layer (LLC)	SLIP, PPP
Physical (1)	Describes the physical properties of various communication media as well as the electrical properties and interpretation of the exchanged signals. The physical layer is the actual NIC and the Ethernet cable.	IEEE 1394, DSL, ISDN