	Telephone	Internet
What is the network designed to carry?	voice	data
How is it carried?	using circuits	using packets
Where is the intelligence?	in the network	in the edge devices
Ease of use	easy to use	hard to use
Type of (initial) device	inexpensive consumer device	expensive business device
How are devices specified?	using telephone numbers	using IP numbers
How are local collections of devices specified?	by local telephone exchanges	by network IDs
How are connections made between devices?	using telephone switching centers	using routers
Resiliency	relatively few alternate routings possible	many alternate routings possible
Structure	uniform network	heterogeneous network
Security	secure, security built in	not very secure, security added on

Table 3.8: In some ways, as this table shows, the Internet can be viewed as an inside out telephone network.