Networks: Basics

A	Key vocab		B	Network specific vocab
Address	The direction of where a piece of data should go		**Client**	A computer or software which uses services over a network
Bandwidth	The amount of data that can be transferred on a mobile network at one time		**Server**	A computer which provides services for the rest of the network
Channel	A division of a link (either wired or wireless)		**Link**	A connection between two nodes in a network
File sharing	Transferring files across a network		**Node**	A device in a network
Hotspot	A location that provides an internet connection		**Local Area Network (LAN)**	A network where all nodes are on a single geographical site
Interoperable	When two different systems can communicate and use shared data		**Protocol**	System of rules which must be followed by all parties involved in transferring data over a network
MAC address	Unique ID for every device that might join a network			
Malware	Malicious software		**Routing**	Getting data to its destination
Media	Plural of medium		**Topology**	The way a network is arranged
Medium	The means of transporting data			

A	Key vocab	
Service Set Identifier (SSID)	ID of the wireless access point	
Signal	A wave or current which conveys data	
Traffic	The amount of data travelling on a network	
Virtual Server	A non-physical server	
Wireless Access Point (WAP)	The point at which a wireless device connects to a network	

D	Topologies
Bus network	Nodes are connected to a "backbone" which is also connected to servers and peripherals
Mesh	Nodes are all connected (directly or indirectly) without an intermediate server
Full mesh	Every node is connected to every other node
Partial mesh	A mesh network where some nodes are not connected to each other
Ring	Nodes are arranged in a loop, with each node connected to two others
Star	All outer nodes are connected with one link to a central switch

C	Network types			
Client-Server	Network architecture where clients connect to a server			
Peer to peer (P2P)	Network architecture where all nodes can act as clients and servers			
MAN	Metropolitan Area Network		**VPN**	Virtual Private Network
PAN	Personal Area Network		**WAN**	Wide Area Network
SAN	Storage Area Network		**WLAN**	Wireless LAN