

Wireless Devices Review

1. What is the main unit of measurement for radio waves?
2. Name some advantages of wireless over wired networks?
3. What are the maximum ranges of 802.11b, g and n wireless routers without obstructions?
4. What kind of antennae comes with a standard wireless router?
5. What information is critical for us to collect when we conduct a site survey while planning a wireless network?
6. What should Frank do when there are two overlapping wireless access points that cover a single building, one on the north side and one on the south side and people in the middle are having trouble connecting to the network with their hand held devices?
7. When setting up a two wireless access point network, the wireless router connected to the Internet will assign _____ IP addresses and the second unit, the wireless access point or range extender will forward request to the first unit. The building will have a single SSID..
8. What should lease times be when a DHCP wireless router assigns an IP address to a device in a high traffic facility?
9. On a signal strength diagram, no area of a building or region of intended coverage should fall below what percent strength?
10. A mixed mode wireless router can connect with _____ wireless NICS.
11. A redundant network with 2 main fiber optic links often has a _____ backup network if the high speed links are both disabled. A disaster affecting the physical cables often has no affect on this backup.
12. A commercial DHCP server's first network interface card typically has a Static IP address and assigns _____ IP addresses to the wireless clients through its internal network interface card.
13. How many IP address can be assigned using the following DHCP wireless router with these addresses?
 - a. 10.0.0.1
 - b. 150.25.0.1
 - c. 199.12.1.1
14. What are three types of connection security for clients connecting to a router?

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15. Ryan want to strengthen the signal between two buildings that have a street running between them. He plans on using two _____ antennae mounted on each of the building's to connect the LANs.
16. What is a better way to secure the wireless router than with WPA or WEP passwords?
17. What will pressing a small indented button on the back of the router for 10 to 15 seconds do?
18. Wireless access points are typically installed using what technique?
19. Wireless access points need what electrical protection device that protects them from nearby lightning strikes and power surges?
20. An open Wi Fi business connection would have what settings?