Module 4.3: Cyberchallenge #3: wireless networks

Please read this about wifi security and answer the following questions:
Take Control of Your Wi-Fi Security (1.7).pdf

Download Take Control of Your Wi-Fi Security (1.7).pdf (application/pdf, 1.4 MB)

Take Control of Your Wi-Fi Security (2.0)

Download Take Control of Wi-Fi Networking and Security (2.0).pdf (application/pdf, 2.4 MB)

questions:

1. Imagine you are setting up a wifi network for your own home. What are the three L's for you here? (likelihood, liability, lost opportunity)
2. Now repeat for a doctor's office: likelihood, liability, lost opportunity
3. Now repeat for an airline that has a website for making reservations
4. Why should you avoid using public wifi at airports and coffee shops?
5. Are there any data in your life that is sent in the clear?
6. What is the difference between data theft, data damage and sidejacking?
7. Are all zombie attacks malicious? Does the launching user always know they are attacking? How?
8. Why is making your network hidden a nice first step for casual users, but not really secure to hackers (like you)?
9. What are the three simple config changes to a router you can make?
10. Why are MAC address controls nice but not really secure?
11. If you setup guest access at your home wifi, what are guests able to do, and what are they not able to do?
12. Table 2 shows an increasing level of security-where do you fit in and why?
13. Why do some websites get blocked as "insecure" by some browsers, and what are the solutions?
14. When you used ssh to get into another computer, you had to say "yes" to enable this-why?

15. We watched passwords being sent over the network with FTP. How would this be different for SFTP?
16. You might be using a VPN to download stuff, or to view programs in another country. Are they really secure, or is this just something the company says to sell their VPN product?
17. Why would using NAT be better than using a DMZ host?
18. What are SPI and DPI?
19. How do you setup a firewall on your personal mac?
20. You might see WPA personal or WPA enterprise-what are these?

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