

Name: _____

Date: _____

Block: _____

Lesson 31 – Computer Safety and Ethics

True/False:

1. The Internet makes widespread publications of information easy.
2. Changing positions when working with computers is an effective way to minimize repetitive stress injury.
3. Contemporary browsers do not have up-to-date encryption features.
4. Spyware has many redeeming qualities.
5. A strong password contains, numbers, letters, and special characters that do not include personal information such as name or birthdate.

Multiple Choice:

1. _____ are small files created when you visit a Web site.
 - a. Public keys
 - b. Sniffers
 - c. Cookies
 - d. Crumbs
2. Most organizations use _____ and other methods to protect data.
 - a. Firewalls
 - b. Hackers
 - c. Trojan horses
 - d. Viruses
3. Strong passwords are more resistant to _____ than other types of passwords.
 - a. Transport Layer Security (TLS)
 - b. Browser hijacking
 - c. Brute force attacks
 - d. Firewalls
4. Even saved data can be lost or corrupted by _____.
 - a. Viruses
 - b. Fire
 - c. Hackers
 - d. All of the above
5. _____ is a type of computer fraud that attempts to steal your private data.
 - a. Phishing
 - b. SSL
 - c. Spyware
 - d. Keylogging

Fill in the Blank:

1. A strong _____ is both complex and secure.
2. You can avoid or minimize _____ by using a high-resolution monitor.
3. A(n) _____ is a program that hackers use to capture usernames and passwords on a network.
4. The practice of using spyware to control a user's browser is called _____.
5. Two technologies that encrypt sensitive information sent online are _____ and _____.

Project 31-1

As described in this lesson, the Internet makes widespread publication of information easy. The ease of obtaining information from the Internet and of publishing information on the Internet can contribute to legal problems.

1. Access the FTC Web site at www.ftc.gov/bcp/edu/microsites/spyware/index.html
2. Play the Beware of Spyware game on this site and click any related links.
3. Prepare a report on what you learned. Include information on how to avoid spyware.

Project 31-2

SSL and TLS certificates were discussed briefly in this lesson. Use Google or another search engine for additional information on SSL and TSL certificates. Then use your world-processing software to describe the certificates.

Answer the following questions:

1. What is TLS? How does it differ from SSL?
2. What are certificates?
3. How can you tell if you have a secure TLS or SSL connection when you are online? What does it mean to have TLS or SSL connection?
4. Which technology is more secure, TLS or SSL?

Project 31-3

As mentioned in this lesson, many organizations provide guidelines for using their computers and networks. Complete the following:

1. Access the Dorchester County Library Web site at www.dcl.lib.sc.us/accept.htm.
2. Read the Conditions of Use and Wireless Access sections.
3. Use your word-processing program to respond to the following questions:
 1. Which three rules do you think are the more important and why?
 2. Which three rules do you think are the least important and why?
 3. Do you agree with the guidelines contained in these rules? Explain your answer.
4. Locate two similar Web pages that list rules for using a library's computers. List their Web site addresses. How do their guidelines compare to the Dorchester Library Web site?

Teamwork Project

Work with a team to learn more about Web cookies. In this project, you and your team members research this topic and then create a PowerPoint presentation based on this topic. Additionally, include at least one related graphic on each slide.

- Slide 1: Define Web cookies.
- Slide 2: What's good about cookies?
- Slide 3: What's bad about cookies?
- Slide 4: How can you get rid of cookies?
- Slide 5: How are cookies used for Internet shopping?

Share your presentation with your class.

Critical Thinking

Wikipedia contains a Web site dedicated to Internet privacy. Access this Web site located at http://en.wikipedia.org/wiki/Internet_privacy and review the information contained on the site. Then use your word-processing software to answer the following questions:

1. What did you find that was most beneficial for you personally? Describe why you consider this beneficial.
2. Describe the “levels of privacy” as defined in this article.
3. What are evercookies?
4. How can posting photographs online lead to privacy concerns?

Online Discovery

Social networking online is a recent technology that has become very popular. Research this technology and then prepare a report that defines a social networking site. List at least four examples of social networking sites, and then discuss why this technology has become so popular. Select one site (Other than Facebook or MySpace) and describe the differences between the site you selected and Facebook or MySpace. Other than Facebook and MySpace, list at least five other social networking sites and provide a short description of each site.

Job Skills

As emphasized throughout this book, computing technology changes rapidly. You can enhance your value as a job candidate or employee by staying informed about changes and advancements in technology. Brainstorm some ways you can keep up with technology changes, and then list at least five ways using a format suitable for resume or job evaluation form.