

Name: _____ Date: _____

Neon Shield: The 8th Grade Digital Defense Quest

Construct a solid foundation in network safety by identifying 10 key security concepts including biometric locks, firewall basics, and digital footprints.

1. Which of these is a form of biometric authentication often used to secure modern smartphones?

- A. A complex 12-digit PIN code
- B. A physical security key inserted into a port
- C. Facial recognition or fingerprint scanning
- D. Answering a secret security question about a pet

2. True or False: Using the same password for your school email and your gaming account is a safe practice as long as the password is long.

- A. True
- B. False

3. A ___ is a digital barrier that monitors and controls incoming and outgoing network traffic based on security rules.

- A. Router
- B. Firewall
- C. Modem
- D. Switch

4. What should you do if you receive a 'Critical Alert' pop-up on a website claiming your computer has 50 viruses and providing a phone number to call?

- A. Call the number immediately to get professional help.
- B. Download the 'cleaner' software offered by the pop-up.
- C. Close the browser tab and do not call the number.
- D. Provide your IP address so they can fix it remotely.

5. The permanent record of all the information you leave behind online, including comments and likes, is known as your digital ___.

- A. Shadow
- B. Footprint
- C. History
- D. Folder

6. True or False: If a website's URL begins with 'https://', it means the data sent between your browser and the site is encrypted.

- A. True
- B. False

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7. Which of these is the most secure way to handle a suspicious link sent to you by a 'friend' on social media whose account might be hacked?

- A. Click it to see if it's a joke.
- B. Message the friend on a different app to verify they sent it.
- C. Forward it to other friends to ask if they know what it is.
- D. Like the message so they know you saw it.

8. When a person uses the internet or mobile phones to intentionally upset or intimidate someone else, it is called ____.

- A. Social Engineering
- B. DDoS Attacking
- C. Cyberbullying
- D. Data Mining

9. True or False: Software updates for your computer or apps often include 'patches' that fix security vulnerabilities.

- A. True
- B. False

10. Your friend suggests downloading a 'free' version of a popular paid game from an unofficial website. What is the primary cybersecurity risk?

- A. The game might be too difficult to play.
- B. The file could contain a Trojan horse or other malware.
- C. Your internet connection might get slower for one hour.
- D. The graphics will not look as good as the original.