

Name: _____ **Date:** _____

Shatter the Screen: Can You Outsmart the 8th Grade Cyber-Sentinels?

Gain the upper hand against invisible threats by analyzing social engineering tactics and mastering the mechanics of end-to-end encryption and digital footprints.

1. A hacker uses a technique called 'Whaling' to target a high-ranking executive. What is the primary characteristic of this specific attack?

- A. Sending a massive amount of spam to crash the server
- B. A highly personalized phishing attack aimed at high-profile individuals
- C. Installing a virus via physical hardware like a USB stick
- D. Bypassing a firewall through a 'backdoor' in open-source code

2. End-to-end encryption (E2EE) ensures that service providers like Apple or WhatsApp can decrypt and read your messages if required by law.

- A. True
- B. False

3. When a website uses HTTPS instead of HTTP, it means the communication between your browser and the server is secured using ____.

- A. TLS (Transport Layer Security)
- B. A public Wi-Fi hotspot
- C. A CAPTCHA challenge
- D. The 'Incognito' mode setting

4. Which of these concepts refers to the trail of data you intentionally leave behind, such as social media posts and forum comments?

- A. Passive digital footprint
- B. Metadata tagging
- C. Active digital footprint
- D. Browser caching

5. Malware that locks a user's files and demands payment to restore access is known as ____.

- A. Spyware
- B. Adware
- C. Ransomware
- D. A Trojan Horse

6. Biometric authentication, such as facial recognition, is considered a more secure 'factor' than a password alone because it is something you ARE, rather than something you KNOW.

- A. True
- B. False

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7. You receive a message from a friend on Discord with a link to a 'free gift card.' The link looks like 'd1scord.gift/promo'. This is an example of what tactic?

- A. Typosquatting
- B. DDoS attack
- C. SQL injection
- D. Zero-day exploit

8. The ethical practice where hackers are hired to find vulnerabilities in a system so they can be fixed is called ____ hacking.

- A. Black-hat
- B. White-hat
- C. Grey-hat
- D. Script-kiddie

9. Which of the following is the most secure way to handle a suspicious text message claiming your Amazon account has been compromised?

- A. Reply with 'STOP' to unsubscribe from further texts
- B. Click the link to verify the charges immediately
- C. Delete the text and log into Amazon directly through a trusted browser
- D. Call the phone number provided in the text message

10. Using a Virtual Private Network (VPN) on public Wi-Fi makes your data invisible to the Wi-Fi owner, but it does NOT protect you from downloading malware manually.

- A. True
- B. False