Cybersecurity Fundamentals

Cybersecurity · Answer Key · 12 Questions

1. What is the primary purpose of a firewall in a computer network?

A) To speed up internet connection
B) To filter incoming and outgoing network traffic
C) To store personal files securely
D) To prevent the monitor from overheating

2. Which of these is the most effective way to protect an online account from unauthorized access?

A) Using a simple, easy-to-remember word
B) Sharing your password with one close friend
C) Enabling multi-factor authentication
D) Writing your password on a sticky note

3. What does the 's' in 'https' stand for in a website address?

A) Secure
B) System
C) Software
D) Search

4. Which of the following is considered 'malware'?

A) A computer mouse
B) A software update
C) A malicious program designed to harm devices
D) A high-speed internet cable

5. What is the term for a message designed to trick you into revealing personal information by pretending to be from a legitimate source?

A) Phishing
B) Streaming
C) Uploading
D) Coding

6. What does a digital 'encryption' process do to your data?

A) Deletes old files to save space
B) Scrambles data so only authorized users can read it
C) Makes files look colorful
D) Compresses files to make them smaller

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7. Which of these describes a strong password?

A) Your pet's name followed by 123
B) A sequence of numbers like 123456
C) A mix of uppercase letters, lowercase letters, numbers, and symbols
D) Your birthday

8. What is a 'computer virus' known for doing?

A) Fixing errors on your hard drive
B) Copying itself and spreading to other files to cause damage
C) Speeding up your internet browser
D) Cleaning your keyboard's registry

9. What does a 'VPN' (Virtual Private Network) primarily do?

A) Connects your printer to the internet
B) Creates a secure, private tunnel for your internet data
C) Increases the volume of your speakers
D) Acts as a secondary monitor

10. What is the best way to handle an unexpected attachment in an email from an unknown sender?

A) Download it to check for viruses
B) Open it immediately to see what it is
C) Delete it without opening it
D) Reply to the email asking who sent it

11. What is 'two-factor authentication' (2FA) referring to?

A) Using two different computers to log in
B) Requiring two different forms of identification to access an account
C) Logging in twice in one day
D) Using two different web browsers

12. What does it mean if a website's URL displays a 'padlock' icon in the address bar?

A) The website is owned by the government
B) The website has a secure, encrypted connection
C) The website has no advertisements
D) The website is free to use

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