BitWith Bite

CCNA NETWORKING WORKSHEET

🌐 Network Security Fundamentals

Chapter: CCNA Networking · Level ★★☆ · Time: 30 min

SCORE ___ / 20

Name _____ Class _____ Date _____

AFTER THIS WORKSHEET YOU CAN

✓ Threat types ✓ Malware categories ✓ Defense: AAA, firewalls, backups ✓ Device hardening

🧠 Section A · Concept Check • BEGINNER 4 × 1 = 4

1 Self-replicating malware needing no host file:

◯ A. worm ◯ B. virus ◯ C. trojan ◯ D. adware

2 Disguised as legitimate software:

◯ A. trojan ◯ B. worm ◯ C. patch ◯ D. driver

3 Overwhelming a service with traffic is:

◯ A. DoS/DDoS ◯ B. phishing

◯ C. spoofing only ◯ D. sniffing

4 AAA stands for:

◯ A. Authentication, Authorization, Accounting

◯ B. Access All Areas ◯ C. Anti Attack Agent

◯ D. Audit and Alarm

🧮 Section B · Problem Solving • INTERMEDIATE 2 + 3×3 = 11

5 Fake emails stealing credentials = _____

6 A _____ filters traffic between networks.

7 Virus vs worm vs trojan - one line each.

8 Basic device hardening steps?

9 Why is accounting (logging) part of security?

🚀 Section C · Challenge • CHALLENGE 5

10 Defense in depth means?

💭 Reflection — the most useful thing I learned: _____

A ___/4 B ___/11 C ___/5 Total ___/20

Teacher's Signature

Parent's Signature

✂ ANSWER KEY — FOLD OR CUT BEFORE HANDING OUT

1-A 2-A 3-A 4-A | 5 phishing 6 firewall 7 = Attaches to files; self-spreads over network; disguises as legit app 8 = Strong passwords/SSH, disable unused services/ports, patch, banner, AAA

9 = Detect, trace and prove what happened | 10 = Multiple overlapping layers - no single point of protection