VIRTUAL PRIVATE CLOUD

1. **What service provides isolated networks in AWS?**

    VPC

2. **What is the smallest unit of a VPC?**

    Subnet

3. **What connects a VPC to the internet?**

    Gateway

4. **What isolates traffic within a VPC?**

    NACL

5. **What controls inbound/outbound traffic to instances?**

    Security

6. **What allows communication between VPCs?**

    Peering

7. **What is used to route traffic in a VPC?**

    Table

8. **What type of gateway enables private connectivity?**

    NAT

9. **What is required to establish a VPN connection?**

    Customer

10. **What provides DNS services in a VPC?**

    Route

11. **What is used for high-speed VPC interconnection?**

    Direct

12. **What service enables cross-region VPC peering?**

    Transit

13. **What network component routes internet traffic in VPC?**

    IGW

14. **What ensures traffic flows within private IPs?**

    Endpoint

15. **What is used to split a VPC into zones?**

Subnet

16. **What is the default CIDR block size for a VPC?**

/16

17. **What enables hybrid connectivity in a VPC?**

VPN

18. **What feature assigns public IPs to instances?**

Auto

19. **What provides fault isolation in a VPC?**

AZ

20. **What is the primary building block of a VPC?**

CIDR

21. **What manages IP allocation in a VPC?**

DHCP

22. **What service tracks VPC flow logs?**

CloudWatch

23. **What type of gateway connects to external networks?**

Virtual

24. **What AWS feature allows subnet segregation?**

NACL

25. **What is the maximum number of subnets per VPC?**

200

26. **What is used to resolve private DNS names?**

Resolver

27. **What feature ensures private S3 access in a VPC?**

Endpoint

28. **What divides subnets between AZs?**

Distribution

29. **What restricts traffic at the subnet level?**

   NACL

30. **What AWS feature enables IPv6 traffic in VPC?**

   Gateway