DNS stands for \_\_\_\_\_\_\_\_\_.

Do Not Signal Domain Name System Dynamic Name Server Diversified Nomenclature System

TLD stands for \_\_\_\_\_\_\_\_

Tidal Locked Destination Type Level Domain Top Level Domain Typical Looking Domain

Along with an IP address, a subnet mask, and a name server, the other thing required for a computer to operate on a network is a \_\_\_\_\_\_\_.

proxy gateway NTP server FQDN

When a range of IP addresses is set aside for client devices, and one of these IPs is issued to these devices when they request one, this is known as \_\_\_\_\_\_\_ allocation.

automatic dynamic fixed

A service that might appear to be a single server to external clients, but actually represents many servers living behind it, is known as a \_\_\_\_\_\_\_.

VPN multiplexer reverse proxy proxy

Which type of Domain Name System (DNS) server performs a full name resolution request?

Recursive name server Authoritative name server Caching name server Root name server

A video conferencing application isn't working due to a Domain Name System (DNS) port error. Which record requires modification to fix the issue?

Host (A) Service record (SRV) Canonical name (CNAME) Text (TXT)

Which of the following allows computers on a network to automatically receive address assignment information?

Time to Live (TTL) Primary gateway Dynamic Host Protocol (DHCP) Domain Name System (DNS)

Network Address Translation (NAT) technology provides a major benefit for which of these network problems?

Assigning Internet Protocol (IP) address blocks Address exhaustion Port Preservation Routable addresses

Which technology uses a tunneling protocol?

Dynamic Host Configuration Protocol (DHCP) Virtual Private Network (VPN) Domain Name System (DNS) Network Address Translation (NAT)

A company with a large number of hosts creates three subdomains under a main domain. For easier management of the host records, how many zones should be used?

1 4 2 3

Which allocation method can be used with a Dynamic Host Configuration (DHCP) server to assign the same address to the same machine if possible?

Automatic Fixed Static Dynamic

During the name resolution process, which technique is used to avoid congestion when querying a server?

Anycast Hierarchy Lookup Redirect