

Your name:

ARP: Address Resolution Protocol

DHCP: Dynamic Host Configuration Protocol

Clearly mark each statement either true or false.

1. If a host is sending an IP datagram to a host on the same LAN, it may first send an ARP query.
2. Hosts often need the MAC addresses of hosts on different LANs.
3. A host obtains its a MAC address using DHCP.
4. Without a DHCP relay, the DHCP server and its clients must be on the same LAN.
5. When a host boots, and has no IP address, it's likely to make at least one ARP query before it makes any DHCP requests.

True: 1, 4

False: 2, 3 (obtains IP address using DHCP), 5 (a host is unlikely to send any IP messages other than DHCP before it has an IP address, so we'd expect a DHCP message way before any ARP requests)