ARP Questions.

1) What is a basic job of of ARP?

ANS: a) Resolves IPv4 addresses to MAC addresses.

2) If a node has recently sent a frame to another node, where is the mapping of IPV4 address to MAC address stored?

ANS: b) ARP cache

3) When a node has not recently sent a frame to another node. How does the node discover the correct MAC address to use for the IPV4 address of the destination node?

ANS: c) The sender monitors traffic until it discovers the correct MAC address to use.

4) What type of header does an ARP frame contains?

ANS: a) IP

5) When an Ethernet transmitter sends to a destination not on its local network. What MAC destination address does it use and how does it discover this address?

ANS: a) The transmitter uses the MAC address of the destination, which it discovers with an ARP request.

6) What is the destination address in the frame when a node sends an ARP request to find the MAC address associated with a known IP address?

ANS: b) The address of the local router interface.