

# Quiz 13\_3 Check Your Understanding - The Routing Table

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Student number & Your name \*

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Teacher ▼

1. What information in the IP packet does the router use to determine which interface to forward the packet? \* 1 point

- ☐ source IP address
- ☒ destination IP address
- ☐ source MAC address
- ☐ destination MAC address

2. True or false? If Host-A has an IP packet to send to Host-B, and Host-A has determined that Host-B is on a different network. Host-A will encapsulate the IP packet in an Ethernet frame with the destination MAC address of the its default gateway. \* 1 point

- ☒ true
- ☐ false

3. A default route is the interface through which the router forwards: \*

1 point

- ☒ a packet containing a destination IP network address that is not in the routing table of the router
- ☐ all packets
- ☐ a packet containing a source IP network address that is not in the routing table of the router
- ☐ any packet when a host does not receive an ARP Reply

4. A host will send a packet to the default gateway when: \*

1 point

- ☐ all packets
- ☒ the destination IP address is on a different network
- ☐ it does not receive an ARP Reply
- ☐ the source IP address is on a different network

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