c. From **Simulation** mode, click the **Capture/Forward** button to step through the process. Notice that the switches now forward the ARP requests out all ports, except the port on which the ARP request was received. This default action of switches is why VLANs can improve network performance. Broadcast traffic is contained within each VLAN. When the **Buffer Full** window appears, click the **View Previous Events** button.

Reflection Questions

1. If a PC in VLAN 10 sends a broadcast message, which devices receive it?

   All devices that are on VLAN 10

2. If a PC in VLAN 20 sends a broadcast message, which devices receive it?
   All devices that are on VLAN 20

3. If a PC in VLAN 30 sends a broadcast message, which devices receive it?
   All devices that are on VLAN 30

4. What happens to a frame sent from a PC in VLAN 10 to a PC in VLAN 30?
   It will be dropped.

5. In terms of ports, what are the collision domains on the switch? **Each port is a separate collision domain.**

6. In terms of ports, what are the broadcast domains on the switch?
   They are divided by the number of VLANs in the switch.