**Hub**: Layer 1. Sends all data out all ports all the time. No addressing, no intelligence.

Switch: Layer 2: Divides traffic into collision domains. And directs traffic based on MAC addresses.

**Switch** with VLAN is capable of dividing traffic into broadcast domains, but at a lower cost than a router. Not all switches provide this capability. No Inter-VLAN switching, because layer 3 addresses (IP) are needed to discern between VLANS.

**Router**: Layer 3 device that isolates traffic into broadcast domains and can provide communication across these domains.

**Layer 3 Switch** can isolate traffic into VLANS and since they are layer 3 devices, they can route between the VLANs.