Hub
A device with multiple ports, that accepts ethernet connection.

- *Purpose:* connect devices into a network.

- Knows only when the device is connected to one of its ports.

- It doesn't filter any data. When data packet arrives to one of the ports, it is copied to all other ports.

- No security, unnecessary traffic.

Switch
A device with multiple ports, that accepts ethernet connection. Knows physical (MAC) addresses of devices connected to it.

- Data is directed only to intended port.

Router
Routes data from one network to another based on their IP addresses.