**Assignment #1**

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Q1. What does a server do in a network?

A server, which is a computer, stores and sends computer files and messages to users and to devices. It also makes sure files go to the person or device that they are intended for.

Q2. What piece of network hardware is used to give a wireless connection?

A wireless connection needs a special piece of hardware called a wireless access point (WAP).

Q3. How do a router and modem work together in a network?

A routers job is to join two networks together. When that task is done, the modem then proceeds to take data sent by one network and translates it into a form that can be understood by the second network.

Q4. Explain why you would use a switch in a network instead of a hub.

I would choose a switch over a hub for 2 reasons: Firstly, its secure. A hacker has less chance of stealing messages, unlike having a hub. Secondly, switches provide more reliable and faster transfers of data (works faster).