Answer the questions below in the spaces provided.

1.  Stephen has four devices in his house that he wishes to link together in a network: A desktop PC, a tablet, a games console and a Smart TV.

    Stating the devices and cables he would need, describe how Stephen would network these four devices. (3)

    _____

    _____

    _____

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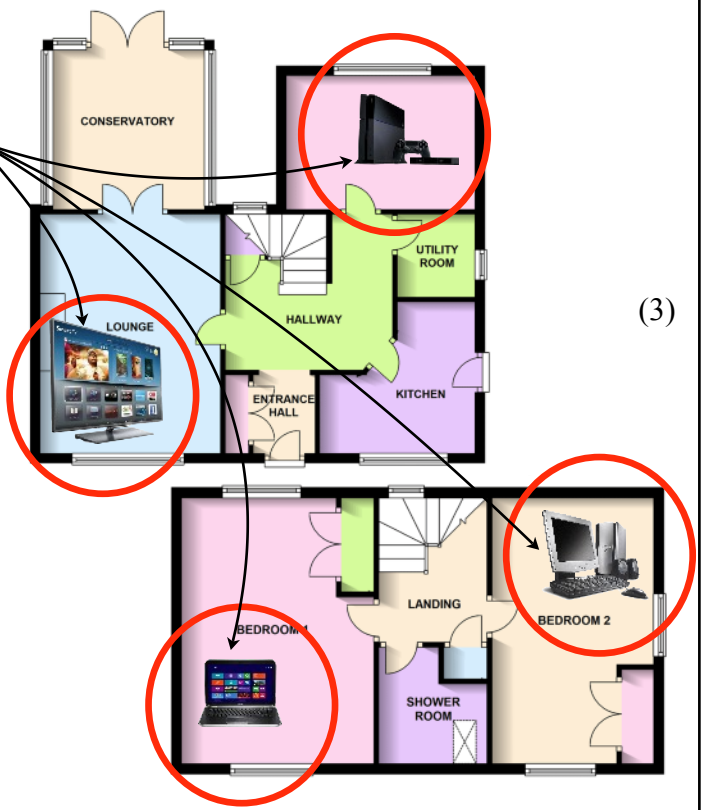


2.  Stephen is also looking to use some wireless technology with his LAN.

    State **one** advantage and **one** disadvantage of using wireless technology. (2)

    Advantage: _____

    _____

    _____

    Disadvantage: _____

    _____

    _____

3.  Stephen learns that his school uses a *client/server network* of computers.

    a)  Describe **one** role of the school server in this network. (1)

    _____

    _____

3    b)  State **one** reason why the school would use a client/server network, rather than a peer-to-peer network.    (1)

_____

_____

4.   "Networks of computers and servers all linked throughout the world.  Two examples of its use are chatrooms and search engines".



What is this a description of?    (1)

_____

5.   Two common types of cable used in networks are Coaxial and Fibre Optic.

Explain why, over larger distances, Fibre Optic cable would be a more suitable for use in a network.    (2)

_____

_____

6.   When Jessica logs on to the server at school she is asked to renew her out-of-date password. The server requests that she enters the new password twice.

a)  Why does the server not just ask for her password once?    (1)

_____

_____

b)  Explain why, when Jessica enters her password, the characters appear as * or •.    (1)

_____

_____

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