

3 Andy likes to play computer games.

- (a) Andy uses several input devices to play the games. These include a keyboard and a microphone.

Describe the principal operation of a microphone.

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- (b) Andy plays some of the computer games over the internet. He has several devices that connect wirelessly to the router in his house.

- (i) Identify the topology of Andy's home network. Justify your choice.

Topology

Justification

..... [2]

- (ii) The router has a wireless access point (WAP) to allow the devices to connect wirelessly.

Identify **three** functions of the router in Andy's network.

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