

Bandwidth and Network Performance

Name: _____

Read the 'Bandwidth and Network Performance' content in the Learner's Book. Match the cut-outs to complete the table below.

Bandwidth factors	How the network performance is affected	Example

Fibre-optic cable has the highest bandwidth. Twisted copper wire has the second-highest bandwidth. Wi-Fi has the lowest bandwidth.	If a second device connects to a network, the bandwidth is shared between the two. If a third device connects to a network, the bandwidth is shared between the three, and so on.	Number of devices
Online activities	The higher the bandwidth of the transmission medium, the more data can flow through it per second.	Different activities require different amounts of bandwidth. A high bandwidth activity will reduce bandwidth and performance for other users on the network.
The more users or devices on a network means that bandwidth is shared, reducing performance.	Lots of people can normally check their emails over the same network at the same time. Only a few people would be able to stream HD movies at the same time on a normal home network.	Type of wire or Wi-Fi