

## 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

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