

Digital content: Streaming digital content

Name: _____

Type				
Content				
Server/ Service providers				



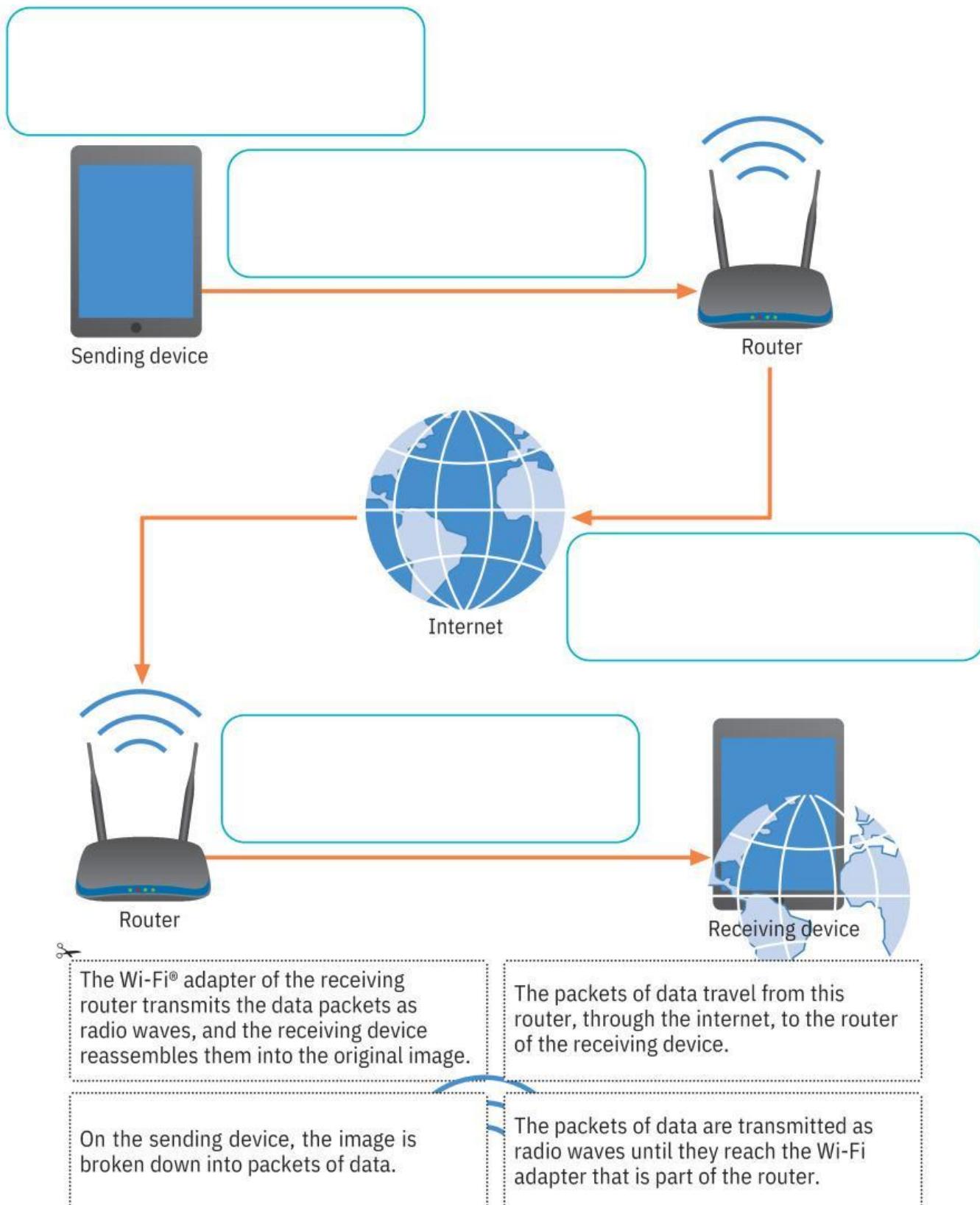
Photo	Audio	Text	Video
music, podcasts and audio books	movies, TV shows and music videos	text messages	self-created pictures or their photo albums
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Data transfer: Radio waves and cellular networks

Name: _____

Look at the diagram depicting sending an image from one wireless device to another wireless device, over the internet.

Complete the diagram below using the cut-outs provided.



Bandwidth and Network Performance

Name: _____

Read the 'Bandwidth and Network Performance' content in the Learner's Book to complete the following:

1 Sort the following transmission medium in ascending order of their bandwidth:

- Twisted copper wire
- Wi-Fi
- Fibre-optic cable

2 Sort the following activities according to their bandwidth requirements to complete the table:

- streaming HD videos
- downloading text files
- streaming movies
- video calls
- sending emails
- live streaming an audio webinar
- VoIP (Voice over Internet Protocol)

Requires a lot of bandwidth Requires little bandwidth

Requires a lot of bandwidth	Requires little bandwidth

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 is affected	How the network performance 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>Number of devices</p> <p>If a third device connects to a network, the bandwidth is shared between the three, and so on.</p>	
<p>Online activities</p>	<p>Different activities require</p> <p>The higher the bandwidth of the different amounts of bandwidth. transmission medium, the more A high bandwidth activity data can flow through it per will reduce bandwidth and second.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>Type of wire or Wi-Fi</p> <p>Only a few people would be able to stream HD movies at the same time.on.a.normal.home.network...</p>	

Unit 5 Word search

Name: _____

Can you find all the hidden words?

O	O	W	N	O	B	Y	V	Y	G	T	A	U	T
P	B	G	E	K	R	D	H	K	X	C	X	W	H
O	M	G	U	E	K	A	I	E	R	I	Y	E	R
E	X	S	H	S	T	R	E	A	M	I	N	G	P
M	O	V	J	E	U	M	E	X	G	Y	Q	B	X
I	I	L	B	M	B	K	Z	C	P	E	Z	M	W
D	K	J	A	W	F	Z	F	L	M	X	M	X	I
T	S	Y	N	H	D	P	A	H	A	K	X	I	F
I	R	A	D	I	O	W	A	V	E	T	Z	R	I
T	M	C	W	R	H	H	O	R	X	Q	S	H	H
V	W	Y	I	A	A	V	S	E	R	V	E	R	J
W	Q	E	D	I	G	I	T	A	L	L	I	C	T
J	L	H	T	A	M	Y	D	S	I	G	K	I	U
Z	I	E	H	U	U	M	C	B	F	R	K	N	Y

Hidden words

streaming

bandwidth

server

digital

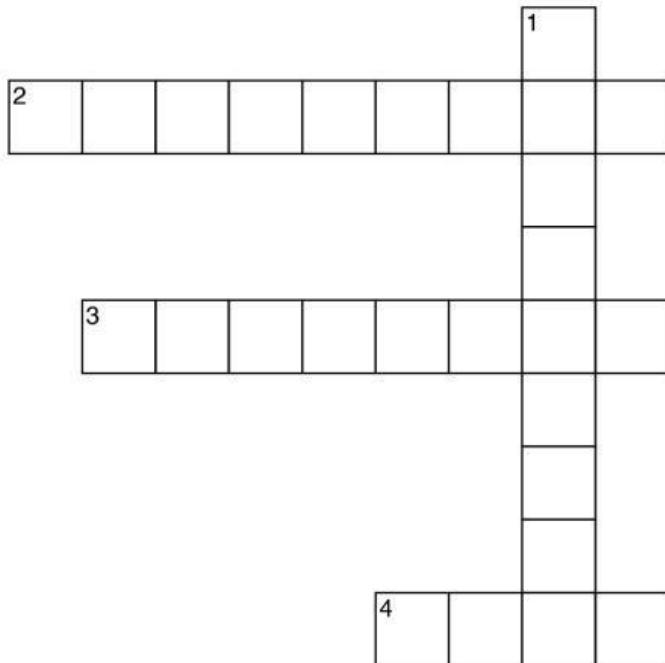
radio wave

Wi Fi

Unit 5 Crossword

Name: _____

Solve the following puzzle based on the clues given!



Across

- [2] The amount of data sent over a network every second is called what?
- [3] Radio waves are used to send data in Wi-Fi and what other type of network?
- [4] Making a video call is a _____ bandwidth activity

Down

- [1] When a video can be watched whilst it is still being sent from a server