

2 Lasers

Lasers are an important but often unseen part of our lives – they are used for communication and doing things accurately, as well as in medicine, making things and even for scanning barcodes in the supermarket.

YOUR CHALLENGE: Can you find the 16 words that relate to lasers in the word search below? Words go up or down, left or right.

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

ABSORB
 BEAM
 COLOUR
 FLUORESCENCE
 FOCUS
 FRINGES
 GLOW
 LASERS
 LENS
 LIGHT
 MIRROR
 MOLECULES
 REFLECTION
 SPECTRUM
 WAVELENGTH
 WAVES

Jack works in the School of Physics. He uses lasers to measure changes in materials that happen in 0.000000000001 seconds, he wants to understand what materials and molecules do when they absorb light.

Jack's work has been used as part of the manufacturing process to make better sunscreens, solar cells, and in the design of drugs to help cure cancer.