

Light and Optics - word search

PUZZLE / DEFINITION WORKSHEET / SOLUTION

Find 12 words. Words can run in any of eight directions.

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

REFLECTION

ABSORPTION

PRISM

SPECTRUM

REFRACTION

TRANSMISSION

LENS

WAVELENGTH

DIFFRACTION

DISPERSION

FOCUS

INTENSITY

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VOCABULARY CLUES / Use the word bank on page 1.

1. The return of light from a surface

2. The change of light direction between media

3. The spreading of waves around edges or openings

4. The taking up of light energy by material

5. The passage of light through material

6. The separation of light by wavelength

7. An optical element that can redirect and disperse light

8. An optical element that changes a beam convergence

9. A point or region where rays converge

10. The range of wavelengths in light

11. The distance between corresponding wave points

12. Power carried per unit area

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SOLUTION / words marked in gray

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

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