

LIGHT WORDSEARCH

1. Find the terms in the word list. Words can appear horizontally, vertically, diagonally, forwards or backwards.



Name: _____

Class: _____

Word List

W	F	W	E	O	E	D	S	N	E	G	Y	U	H	Angle
R	R	O	T	Y	C	N	E	U	Q	E	R	F	T	Bend
D	E	L	I	S	R	E	R	E	N	E	E	A	G	Blue
S	S	L	H	R	U	B	C	O	F	H	F	B	N	Color (American spelling)
P	N	E	W	T	O	N	I	L	L	Y	R	S	E	Colour (Australian spelling)
E	E	Y	K	E	S	T	E	N	G	O	A	O	L	Core
C	L	C	R	E	C	C	S	I	D	L	C	U	E	Disc (twice)
T	A	T	S	A	T	H	G	I	L	O	T	R	V	Frequency
R	O	R	R	I	M	A	G	E	R	E	I	C	A	Fresnel
U	X	F	O	O	D	S	N	E	L	L	O	E	W	Huygens
M	E	N	E	F	M	S	L	E	L	L	N	R	T	Image
R	O	U	N	T	E	G	C	H	O	N	E	I	C	Lens (four times)
A	L	O	C	I	N	L	S	U	C	D	H	N	O	Light
B	O	L	X	A	Y	A	R	Y	Z	A	B	C	S	Mirror
														Newton
														Nicol
														Ray
														Red
														Reflection
														Refraction (twice)
														Source (twice)
														Snell (twice)
														Spectrum
														Wavelength
														White
														Yellow

2. Answer each of these questions using a scientist's name taken from the word list.

a. He produced a mathematical law which described how light bends (refracts) when it passes from one transparent medium (e.g. air) into another transparent medium (e.g. glass)

Answer: _____

b. He demonstrated that white light was composed of all the colours of the visible spectrum.

Answer: _____

c. This Dutch scientist is remembered especially for his wave theory of light.

Answer: _____

d. This French scientist constructed a special type of lens for use in lighthouses.

Answer: _____

e. This Scottish scientist produced a prism to make polarized light.

Answer: _____

Solutions

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

2. a. Willebrord SNELL (or Snellius in its Latin form)
- b. Isaac NEWTON
- c. Christiaan HUYGENS
- d. Augustin-Jean FRESNEL
- e. William NICOL