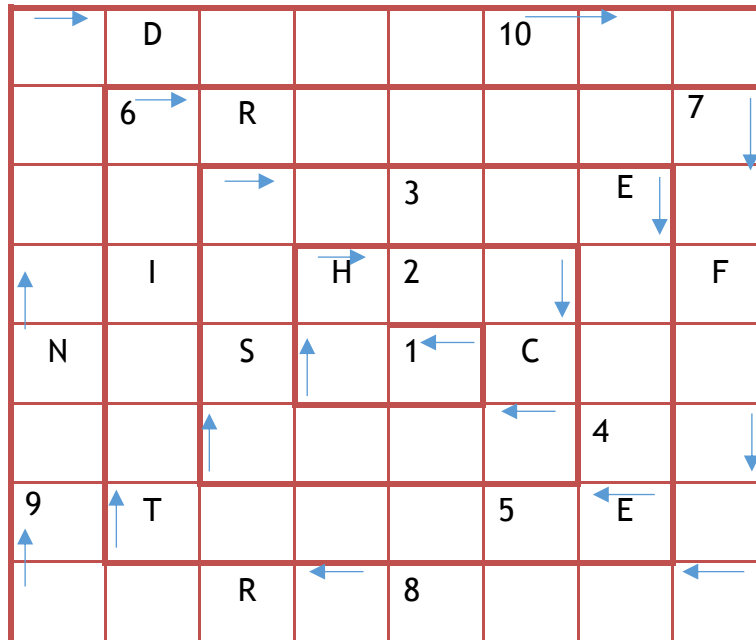


Answer each of the following clues in the quiz by starting in the square marked 1 at the centre of the grid and writing your answer in a clockwise spiral. The last letter of each answer is the first letter of the next. To help you arrows are given and you must not cross over the bold lines. Also the number of letters to each answer is given in brackets.



1. Reflection of sound waves from a surface back to the listener. (4)
2. Device able to view patterns of sound waves that have been turned into electrical signals. (12)
3. Waves transport this from place to place without transferring matter. (6)
4. Is sound a longitudinal wave? (3)
5. This describes when light bounces off an object in all directions. (10)
6. The \_\_\_\_\_ the amplitude of a wave the louder the sound. (7)
7. Describes the change in direction of light as it travels from one material into another. (10)
8. Describes the line at 90 degrees to the surface causing the reflection. (6)
9. Describes a type of wave in which the direction of vibration is the same as that of the wave. (12)
10. \_ O \_ D \_ PEAKER is a device that turns an electrical signal into a pressure wave of sound. (3)

Answers

U →	D	I	N	A	10 L →	U	S
T	6 G →	R	E	A	T	E	7 R ↓
I	N	O →	P	3 E	N	E ↓	E
↑ G	I	C	H →	2 O	S ↓	R	F
N	R	S	↑ C	1 E ←	C	G	R
O	E	↑ O	L	L	← I	4 Y	A ↓
9 L ↑	↑ T	T	A	C	5 S ←	E	C
↑ A	M	R	← O	8 N	O	I	← T