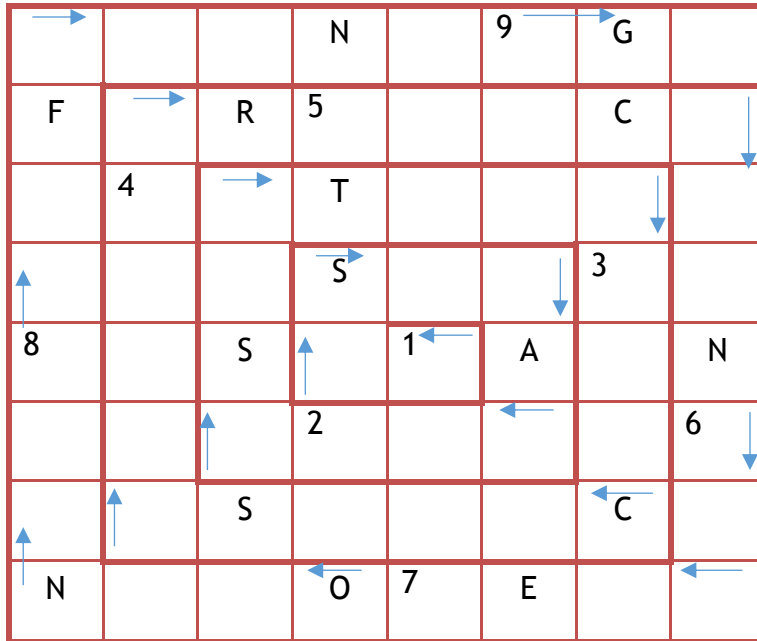


Answer each of the following clues in the quiz by starting in the square marked 1 at the centre of the grid and writing your answer in a clockwise spiral. The last letter of each answer is the first letter of the next. To help you arrows are given and you must not cross over the bold lines. Also, the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



1. The opposite of a good conductor of electricity. (9)
2. The property of a component which makes it difficult for electric current to pass through. It is measured in ohms. (10)
3. Describes a non-contact force between two charged particles. (13)
4. Soft iron metal which the solenoid is wrapped around. (4)
5. Tiny particles which are part of atoms and carry a negative charge. (9)
6. Describes components in an electrical circuit that are arranged so that there is only a single path for the current to take. (6)
7. A long cylindrical coil of insulated wire which together with a core forms an electromagnet. (8)
8. Potential _____ is another name for voltage. (10)
9. N ___ tively charged describes an object that has gained electrons as a result of a charging process. (3)

Answers

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