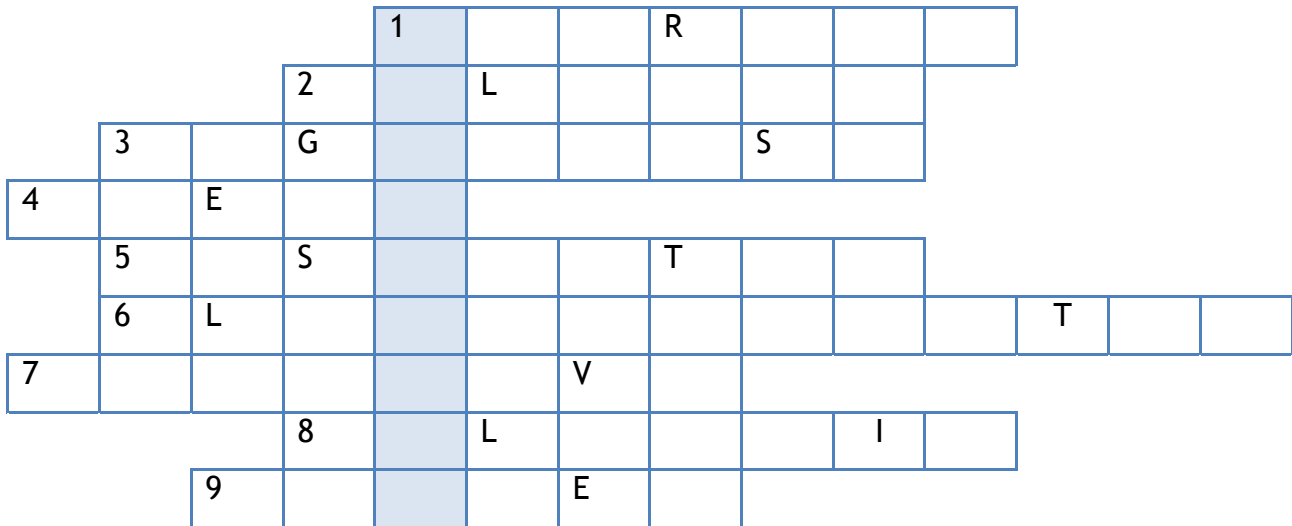


Test your knowledge of electromagnets by completing this puzzle.

Answer all the clues across to identify 1 down, which describes a material that allows current to flow through it easily, and has a low electrical resistance.



Clues across

1. Flow of electric charge, measured in amperes. (7)
2. An alternative name for potential difference. (7)
3. A property of certain materials (iron, cobalt and nickel) which produces a surrounding field of attractive and repulsive forces. (9)
4. Magnetic \_ \_ \_ \_ \_ lines always travel from south to north. (5)
5. Describes a material that does not allow current to flow easily, and has a high electrical resistance. (9)
6. Describes a type of force between positive or negatively charged particles. (13)
7. Describes an object that has lost electrons as a result of the charging process. (8)
8. Describes wire wound into a tight coil as part of an electromagnet. (8)
9. Components in an electrical circuit that are on the same loop. (6)

Answers

			1 C	U	R	R	E	N	T						
			2 V	O	L	T	A	G	E						
	3 M	A	G	N	E	T	I	S	M						
4 F	I	E	L	D											
	5 I	N	S	U	L	A	T	O	R						
	6 E	L	E	C	T	R	O	S	T	A	T	I	C		
7 P	O	S	I	T	I	V	E								
			8 S	O	L	E	N	O	I	D					
		9 S	E	R	I	E	S								