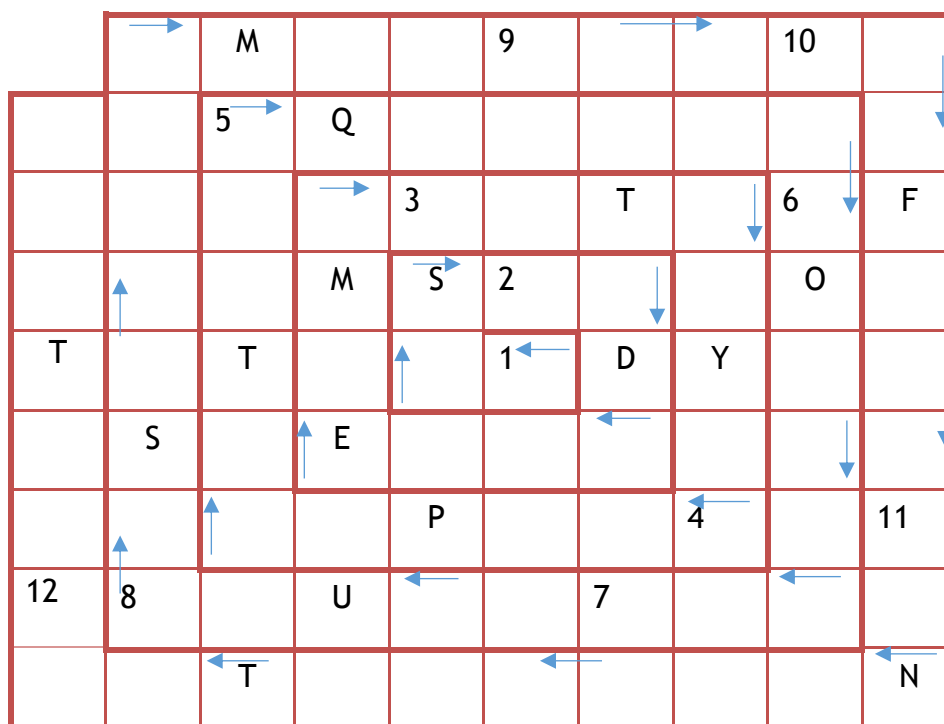


Answer each of the following clues in the quiz by starting in the square marked 1 at the centre of the grid and writing your answer in a clockwise spiral. The last letter of each answer is the first letter of the next. To help you arrows are given and you must not cross over the bold lines. Also the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



1. A substance that neutralises an acid. (4)
2. A type of reaction in which energy is taken in, usually as heat. (11)
3. A substance that speeds up a chemical reaction but is unchanged at the end. (8)
4. In an exothermic reaction this nearly always rises! (11)
5. This consists of 'reactants' on one side and 'products' on the other side. (7)
6. Sulfur or phosphorus or nitrogen is an example of one of these types of element. (3-5)
7. Most acids exist as this state of matter. (6)
8. A type of chemical reaction where a more reactive metal takes the place of a less reactive metal in a compound. (12)
9. Me _ _ _ _ are malleable and ductile and normally solids at room temperature. (4)
10. This acid forms salts called sulfates. (8)
11. This is a measure of the number of particles in a given volume. (13)
12. This type of solution is pH7. (7)

Answers

	E	M	E	N	9T	A	L	10S	U
L	C	5E	Q	U	A	T	I	O	L
A	A	R	T	3C	A	T	A	6N	F
R	L	U	M	S	2E	N	L	O	U
T	P	T	R	A	1B	D	Y	N	R
U	S	A	E	H	T	O	S	M	I
E	I	R	E	P	M	E	4T	E	11C
12N	8D	I	U	Q	I	7L	A	T	O
O	I	T	A	R	T	N	E	C	N