

Task

Find the answers in the grid below.

S	U	C	O	B	A	L	T	C	P
I	N	D	U	C	E	D	D	A	O
L	L	A	T	T	R	A	C	T	L
R	I	C	U	R	R	E	N	T	E
E	K	I	F	I	E	L	D	L	I
P	E	R	M	A	N	E	N	T	P
E	S	O	L	E	N	O	I	D	O
L	A	N	I	C	K	E	L	X	N

Questions

1. What is the strongest part of a bar magnet?
2. What is the area around a magnet called?
3. What do two 'like' poles do?
4. What type of magnet produces its own magnetic field?
5. What is a coil of current carrying wire called?
6. Which magnetic element has the symbol Co?
7. What type of magnetism is lost when the current is switched off?
8. What effect does a magnet have on magnetic material?
9. What metal is used as the core of an electromagnet?
10. What has to flow in a wire to create a magnetic field around it?
11. Which magnetic element has the symbol Ni?
12. What type of poles attract each other?

Answers:

	U	C	O	B	A	L	T		P
I	N	D	U	C	E	D			O
	L	A	T	T	R	A	C	T	L
R	I	C	U	R	R	E	N	T	E
E	K	I	F	I	E	L	D		
P	E	R	M	A	N	E	N	T	
E	S	O	L	E	N	O	I	D	
L		N	I	C	K	E	L		

1. pole

2. field

3. repel

4. permanent

5. solenoid

6. cobalt

7. induced

8. attract

9. iron

10. current

11. nickel

12. unlike