UNIT 6. MAGNETISM
ELECTROMAGNETS

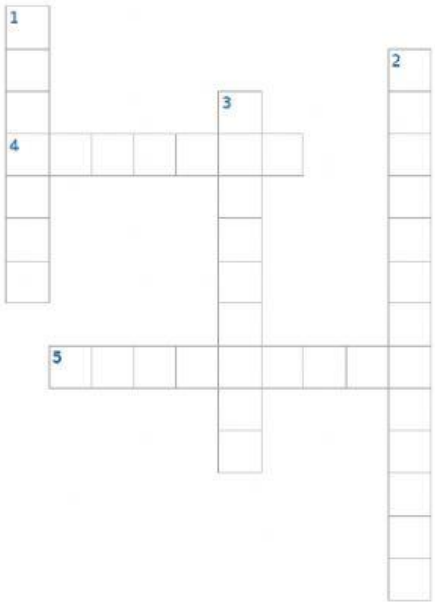
1. Choose the correction options.

All matter is made up of atoms. The [ ] charged electrons move around the [ ] of each atom. If the electrons all move in [ ], like in magnetic materials, a tiny magnetic field is produced. However, in most materials, electrons move in [ ], so the magnetism is cancelled.

2. Match to make true sentences.

In an electric current, the electrons	●	●	moving through a wire create a magnetic field.
An electromagnet acts like a magnet,	●	●	with flowing current will attract or repel like two magnets.
Using electricity, we can create	●	●	a magnetic field by forcing electrons to move in the same direction.
When placed close together, two wires	●	●	but only when an electric current flows through it.

3. Complete the crossword.



Across

4 This type of magnet only gives off a magnetic force for a period of time.

5 This is what we call the attraction produced by magnets.

Down

1 We can observe a magnetic field using a magnet and iron ...

2 This acts like a magnet, but only when an electric current flows through it.

3 This type of magnet always has a magnetic force which cannot be turned off.