

Unscramble the names of these famous scientists and match the scientists to their discoveries:



s e o r t e d



e p a r m e



a r a d f a y

_____ discovered that a moving magnet produces an electric field.

_____ discovered the electron, although he called it a different name.

_____ invented the first electric motor.

_____ discovered that an electric current produces a magnetic field.

_____ couldn't explain his discovery.

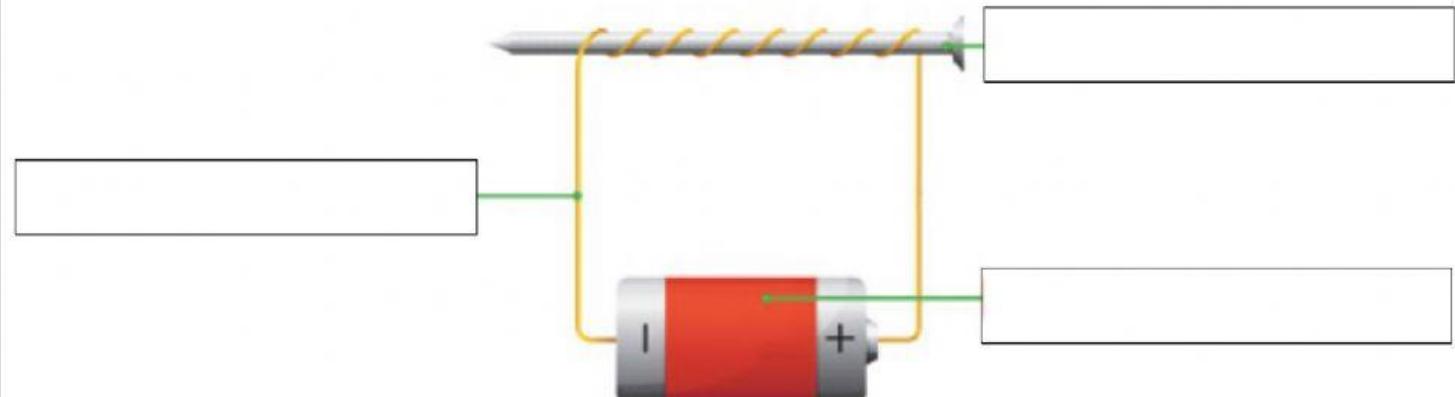
Label the parts of the electromagnet:



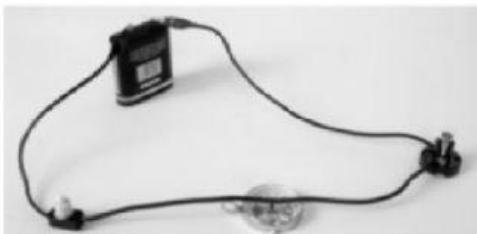
wire

iron nail

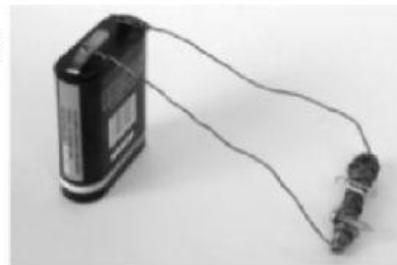
battery



What happens when these electric circuits are switched on? Write sentences:



b



a) When we switch on the circuit, the _____ will _____.

b) When we switch on the circuit, the _____ will _____.

How are electricity and magnetism used? Complete the descriptions.



This is a _____.

It uses electricity / magnetism / both electricity and magnetism to



This is a _____.

It uses electricity / magnetism / both electricity and magnetism to



This is a _____.

It uses electricity / magnetism / both electricity and magnetism to