

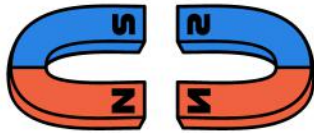
Name:

DATE:

ELECTROMAGNETS

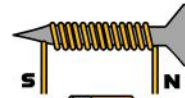


Circle the correct answer to each question.

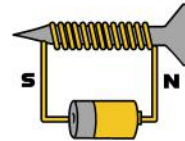


ATTRACT OR REPEL

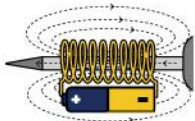
Will these magnets attract or repel each other?



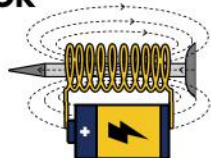
OR



Which iron nail is magnetized?



OR



Which electromagnet is stronger?



OR



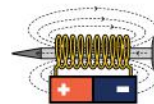
Which is powered by an electric generator?



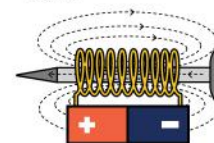
OR



Which set of magnets is exerting a weaker force?



OR



Which electromagnet is weaker?

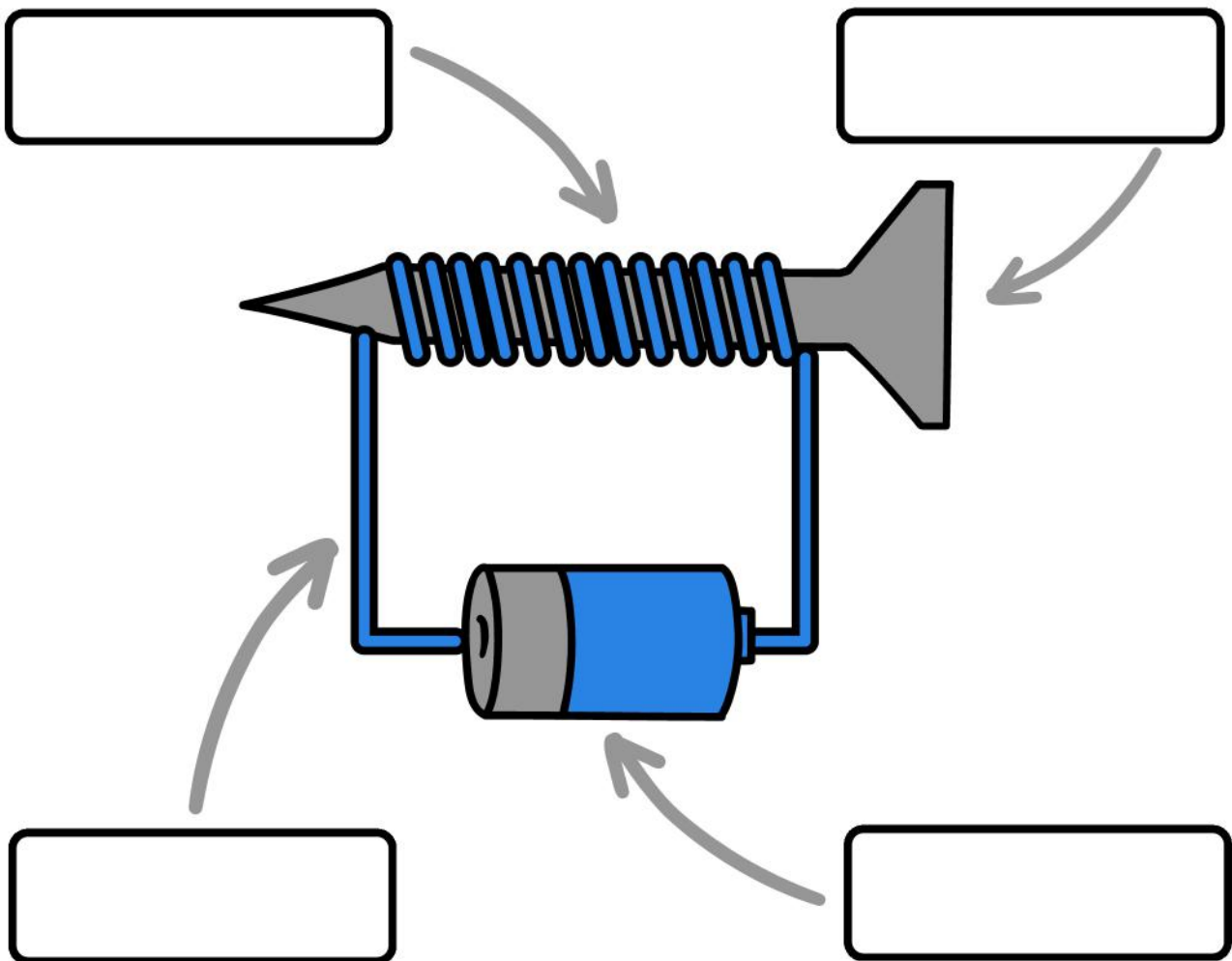
Name:

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ELECTROMAGNET

Label the components of the electromagnet below. Use the words in the word bank to help you.



Battery

Core

Solenoid

Wire

Name:

DATE:

ELECTROMAGNETISM

QUIZ QUESTIONS



- 1 An electromagnet loses its magnetic properties when the current is switched off.
a) True b) False
- 2 The coil of wire with many turns is called?
a) Magnet c) Core
b) Field d) Solenoid
- 3 When current flows through a wire, it generates a magnetic field.
a) True b) False
- 4 What happens to an electromagnet when an iron core is added?
a) Electromagnet gets stronger c) Electromagnet gets weaker
b) Nothing changes d) Electromagnet switches polarity
- 5 What will happens to the strength of the magnetic field if the battery strength is increased?
a) Magnetic field will get weaker c) Magnetic field will get stronger
b) Magnetic field will reverse direction d) Nothing changes
- 6 Electromagnets are similar to permanent magnets but man-made.
a) True b) False