

Electromagnet Lab

Scientist: _____

Block: _____

Question: How does increasing the number of coils on nail of the electromagnet affect the strength of the electromagnet?

Hypothesis: IF I wrap more coils around the nail THEN the electromagnet will lift (more or less) paper clips.
circle one of the choices above

Independent variable (what I am testing): _____

Dependent variable (results): _____

Controlled variable (what I am NOT changing): _____

Materials: battery, wire, nail, paperclips

Data Table: Coils vs. Paperclips

# of coils	# of paperclips
5	
10	
20	

Conclusion:

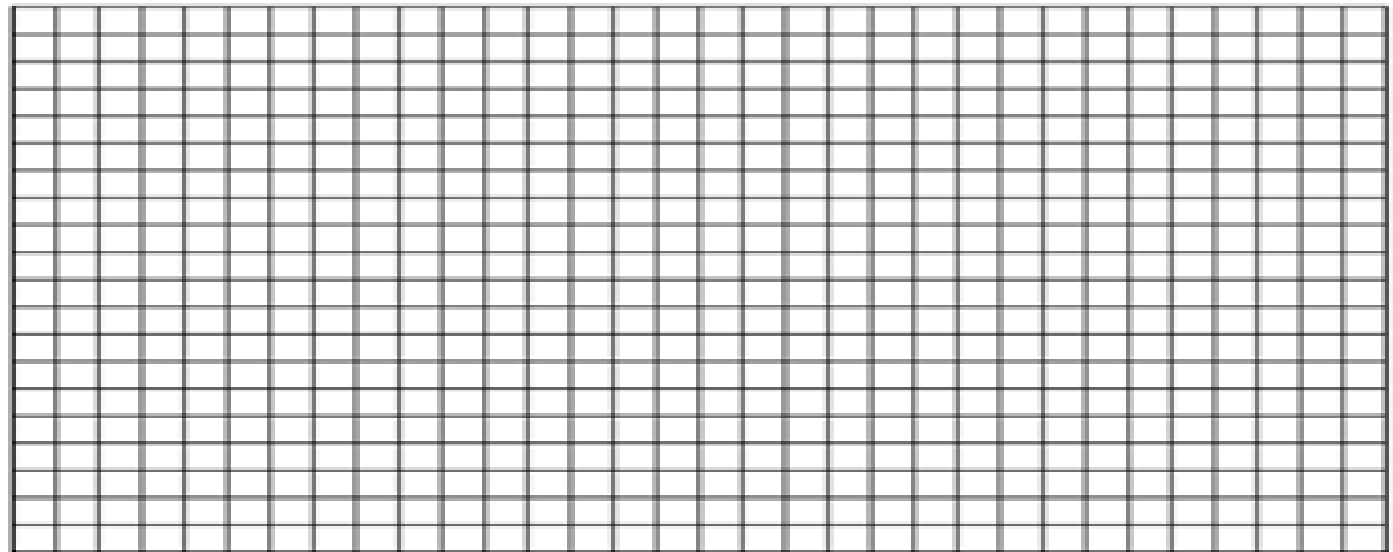
D

R

Y

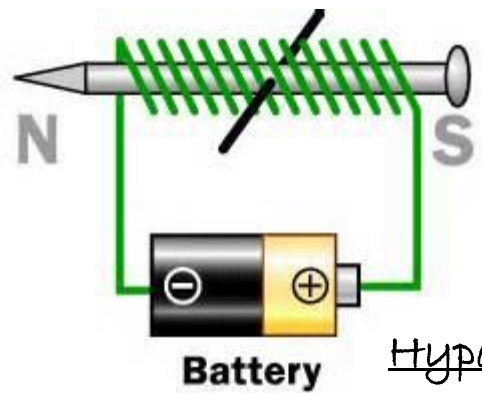
Dependent variable: _____

Graph Title: _____



Independent variable: _____

MIX



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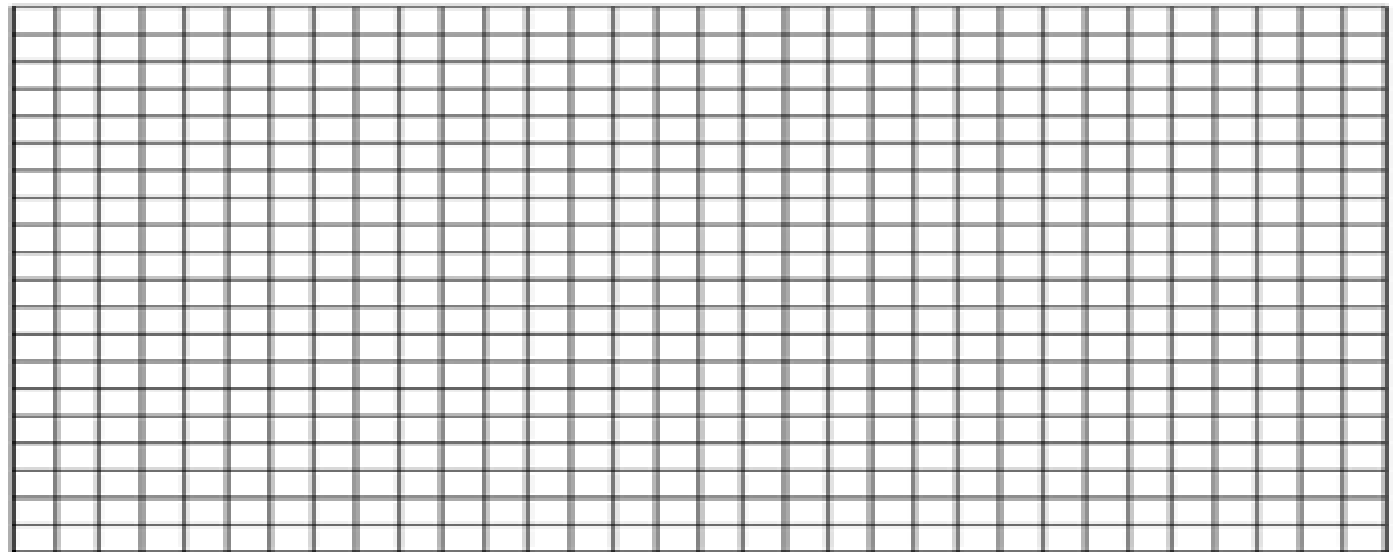
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