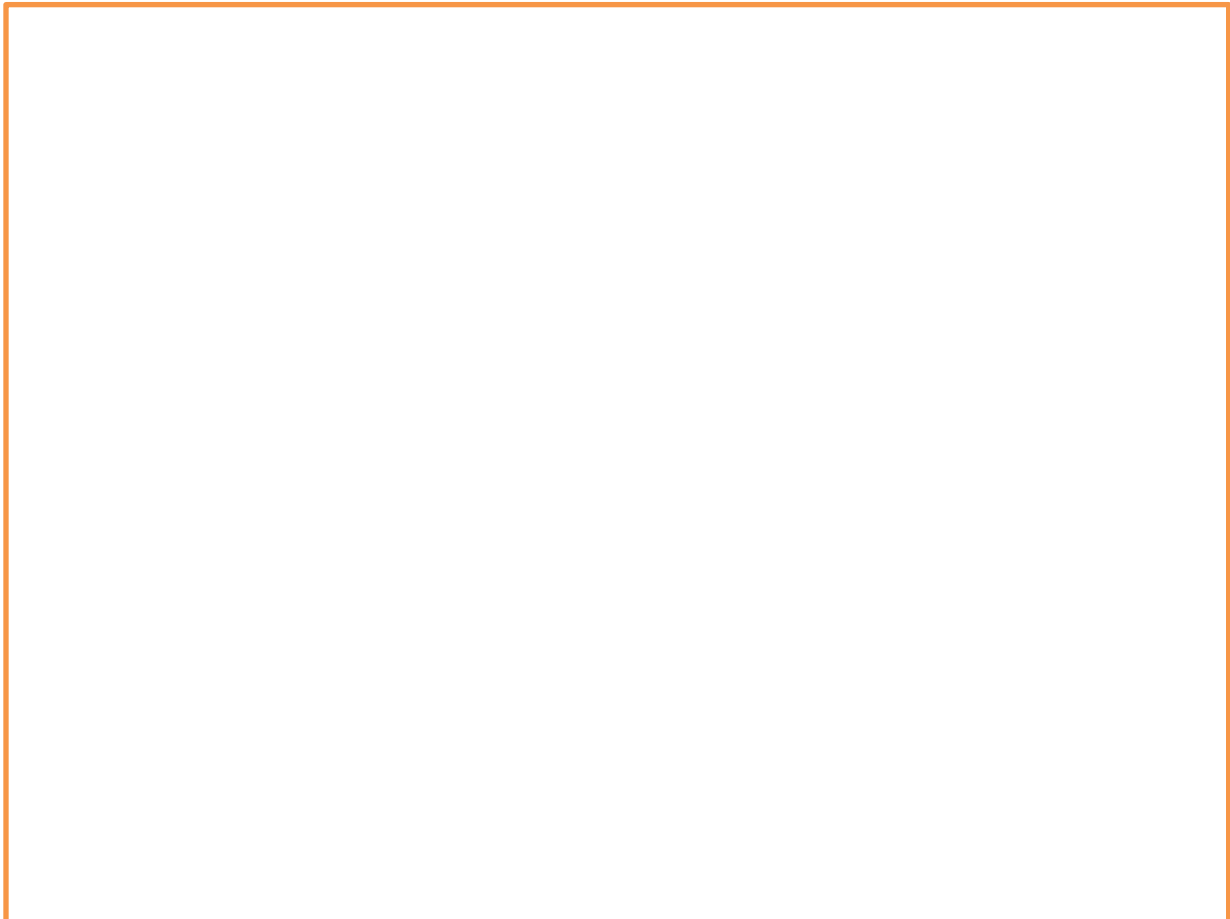


Magnets and Magnetism Worksheet

Activity: *Magnetic Strength*: Measure the distance between your magnet and a paper clip being held in the air for three magnets. After completing the exercise, order the magnets from stronger (#1) to weakest (#3).

Magnet	Distance	Strength
Example: lego magnet	1 cm	#2

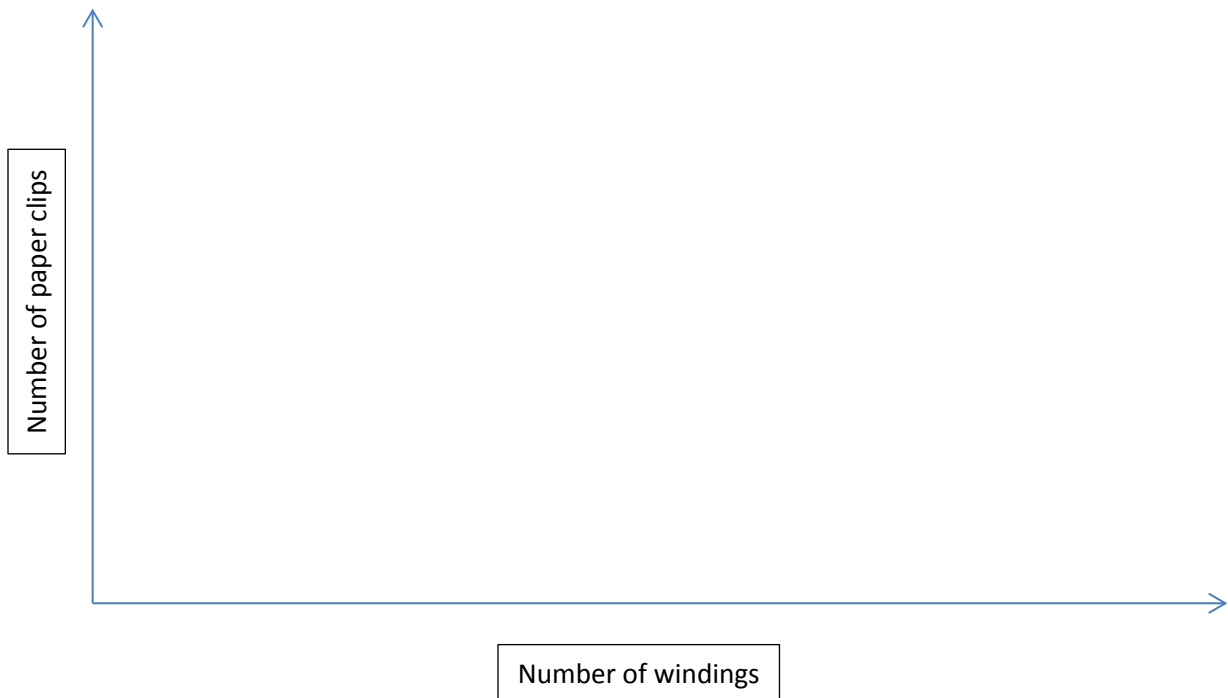
Activity: *Iron filings*: In the box below, draw the iron filing pattern that you created with your magnet.



Activity: Electromagnets

Number of windings around nail	Number of paperclips electromagnet can hold

Plot (for older students) your data on the graph below. You or your science explorer tutor can fill out the axes. Can you use your plot to make predictions?



Wrap up questions:

What type of energy did we study today?

Where can we find this energy?

What was your favorite experiment?