## Magnets

Name 3 materials that are attracted to ma	gnets:

1.	<u>iron</u>	
	<del></del>	
2.	<u>Nickel</u>	
0	<del></del>	
3.	Cobalt	
What a	are the 4 properties of magnets:	
1.	_Attraction	
2.	_Navigation_	
0	<del></del>	
3.	_Two poles	
4.	Opposite attracts, Same repels	
	<u></u>	-
Poles	exist in <u>pairs</u> . Even if we cut a magnet in half it will st	ll have a
_North	and a <u>South</u> pole.	
The sa	me poles will <u>repel</u> each other.	
The opposite poles will <u>attract</u> each other.		
	asses pass will always point:	
	oes a compass work: <u>The Earth's magnetic</u>	
Draw a diagram of the above:		

Electromagnets		
Electricity can create <u>an electric field</u> , which can be r	manipulated to create a magnetic	
Describe how to create an electromagnet:		
	e better. Connect the wire to the positive and negative	
terminals of a		
battery.		
Draw a diagram of an electromagnet and a diagram of it's magnetic field:		
What is the difference between an electromagnet and	a regular magnet:	
_Can disconnect an electromagnet, and you can control the strength of an electromagnet.		
<u>s.coagriot.</u>		
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1.	_Refrigerator door_
2.	<u>Door</u> bell
Descri	be 3 ways you could increase the strength of an electromagnet:
1.	_More wire (loops)
2.	_More electrons (stronger voltage)
3.	_Use coppoer wire instead of aluminum

Where could you find an electromagnet: