

Period:



move in the magnetic field.

1.	Magnet	A.	Where a compass points to (in Hudson	1.	Compass	A.	The center of an electromagnet.	
2.	Permanent magnet	B.	Becomes a magnet near a magnet, then	2.	Electromagnet	B.	A magnetic navigational device that point toward magnetic north.	
3.	Temporary magnet	C.	Anything that attracts or repels another magnet or magnetic material.	3.	Magnetic field	C.	The area in which magnets will feel magnetic force. More arrows show a stronger one.	
4.	True north	D.	The North Pole; where maps point to as north.	4.	Core	D.	Best magnetic substance; more of this in an electromagnetic core makes it	
5.	north	E.	Does not lose its magnetism: lodestone and magnetite are only types.	Э.	Iron	E.	stronger. A magnet made from electricity.	
Two magnetic north poles: attract or repel?				Draw a simple electromagnet:				
A magnetic north and south pole: attract or repel?								
 1) Label the north and south poles of the nail magnet. 2) Draw the magnetic field lines. (don't forget arrows). 					Name three ways you could increase the strength of an electromagnet:			
				An 5 kg object is 6 meters up a hill. Find potential energy.				
You move a 25 N object 4 meters. Find the work you did.				A 10 kg boat is moving 3 m/s. Find kinetic energy.				
You move a 3N object 15 meters. Find work.				A rock is thrown 0.8 meters into the air. Find how fast it was thrown.				
10			object for 5 seconds. I ma work.					
You move a 4 N object 10 meters. Find work.				You do 25 J of work to move a 4 N object 5 meters. Find your efficiency.				
Then find power if it is done in 5 seconds.								