

Note Taking Guide - Episode 1001

- Like
- Unlike
- Magnetic field -

origin of magnets:

lodestone -

Chinese invented -

N pole -

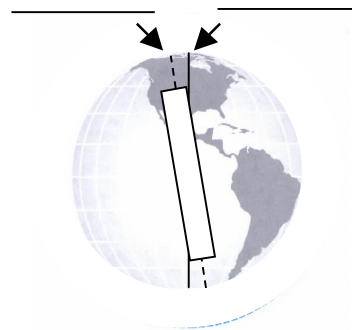
S pole -

Compass -

-
-

The _____ pole of the earth's magnetic field is located close to the _____ geographic pole.

The N pole of a compass needle is attracted to the earth's _____ magnetic pole.



magnetic declination - difference between _____ and _____ poles.

Lab Data Table - Which objects are magnetic?

paper clip	
aluminum foil	
nail	
paper	
quarter	

penny	
razor blade	
straight pin	
wood	
zinc	

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Ferromagnetic elements:

-
-
-

Why aren't all nails magnets?

Domains -

-
-
-

Hard ferromagnetic materials (alloys) make better permanent magnets than soft iron because -

Dropping a permanent magnet weakens it. Explain.

How will a magnet will be affected by breaking it in two?

How will heating a magnet affect it?

Show What You Know: