

Magnetism Test Review

1. What is unique about the properties of atoms that make them magnetic compared to non-magnetic substances?
2. What is characteristic of the domains of a non-magnetized piece of iron?
3. Why do only a few materials show magnetic properties?
4. What parts of a magnet attract and repel?
5. Where is the magnetic force the strongest?
6. What is a magnetic field?
7. Where do magnetic fields exist?
8. Where is the strength of the magnetic field the strongest?
9. Explain electromagnetic induction. (*Hint: there are 2 ways, you can use a magnet to make current or you can use current to make a magnet.*)
10. What is a motor (and function)?
11. What is a generator (and function)?
12. What type of current did the hand crank generator create?
13. How can you temporarily magnetize something like a paperclip?
14. How can you make an electromagnet stronger?
15. Can you draw a bar magnet and the electric fields around it?
16. What happens to the pieces if you break a bar magnet in half?