

Name _____ Per. _____ Date _____

Modern Marvels: Magnets

1. How are magnets used to power Superman: The Escape?
2. What is the electrical consumption of each car for Superman?
3. How does a credit card use magnets?
4. How does a magnet work its "magic"?
5. How do you make a simple electromagnet?
6. How much lifting capability for a scrap magnet is lost in a day due to heat?
7. How do magnets separate a car's iron and steel from the other materials?
8. What creates Earth's magnetic field?
9. How is the Aurora Borealis created?
10. What materials does Flexmag use to create kitchen magnets?
11. What turns the particles in the Flexmag sheet into a magnet?
12. How do some scientists believe animals find their way North/South?

13. What is Earth's only natural magnet?
14. How did the compass change sea navigation?
15. What did Michael Faraday demonstrate?
16. How does a common electric motor work?
17. What were the first commercial magnets made out of?
18. What does Alnico stand for?
19. What are 90% of today's permanent magnets?
20. What are rare earth magnets?
21. How do magnets create a computer's binary code?
22. What effect do different colors of light have on plastic magnets?
23. How is the frog floating in the high power magnetic field?
24. How does the Maglev train move down the track?
25. How can magnets contain plasma, to get us deeper into space?