

# Magnetism Worksheet

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1. True or False: Magnetism either attracts or repels.
2. True or False: You can stick a magnet to a tree.
3. What are some examples of nonmagnetic materials?
4. What types of metals are magnetic?
5. What affects a magnets pull?
6. What are the positive and negative sides of a magnet called?
7. What happens to the poles if you cut a magnet in half?
8. How does a magnet pull on an object without touching it?
9. True or False: The Earth is a giant magnet.
10. Where are the magnetic poles on Earth?
11. Why does a compass needle always point north?
12. What is the relationship between electricity and magnetism called?
13. Why do people use electromagnets?
14. Explain what magnetism is in your own words.



**ANSWERS:**

1. True.
2. False.
3. Wood, glass, plastic, rubber, silver, titanium.
4. Iron and nickel.
5. Distance. Magnets only attract objects that are relatively close.
6. North pole and south pole.
7. Each separate piece still has two poles.
8. Every magnet is surrounded by a magnetic field, which is invisible.
9. True
10. One pole of the magnet is in the Arctic. The other pole is in Antarctica.
11. A compass needle always points north because it is a magnet.
12. Electromagnetism.
13. Electromagnets are temporary magnets. Electromagnet fields can be turned on or off.  
A permanent magnet would have to be very strong to lift a car.