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magnetism always comes in dipoles but that does not require every planet and moon to have any magnetic field at all it just says that if they do they will have two poles not one scientists recently created a magnetic monopole in a laboratory so it is no longer accurate to say magnets are always dipoles but you will never encounter a

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magnetism phenomenon associated with magnetic fields which arise from the motion of electric charges it can be an electric current in a conductor or charged particles moving through space or it can be the motion of an electron in an atomic orbital learn more about magnetism in this article

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magnetism is the class of physical attributes that occur through a magnetic field which allows objects to attract or repel each other because both electric currents and magnetic moments of elementary particles give rise to a magnetic field magnetism is one of two aspects of electromagnetism

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magnetism is a class of physical phenomena that are mediated by magnetic fields electric currents and the magnetic moments of elementary particles give rise to a magnetic field which acts on other currents and magnetic moments every material is influenced to some extent by a magnetic field

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magnetism is the force exerted by magnets when they attract or repel each other magnetism is caused by the motion of electric charges every substance is made up of tiny units called atoms each atom has electrons particles that carry electric charges

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a magnet is any object that can attract other materials with magnetic properties through a magnetic force every magnet has a north pole and a south pole either pole will attract iron the direction of magnetic force between two magnets depends on how the poles are oriented opposite poles attract like poles repel

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magnetism is a force of nature produced by moving electric charges sometimes these motions are microscopic and inside of a material known as magnets magnets or the magnetic

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magnetism is defined as an attractive and repulsive phenomenon produced by a moving electric charge the affected region around a moving charge consists of both an electric field and a magnetic field the most familiar example of magnetism is a bar magnet which is attracted to a magnetic field and can attract or repel other magnets history

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home magnetism crusher magnets are objects which can attract or pull on some metals like iron and steel if you rub a piece of steel with a strong magnet the piece of steel will become a magnet too it has become magnetized other metals like copper or gold are not attracted to magnets

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magnetism has been known since the time of the ancient greeks but it has always been a bit mysterious you can see electricity in the flash of a lightning bolt but when a compass needle points to magnetic north you can't see any force causing it to rotate

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how the universe got its magnetic field by studying the dynamics of plasma turbulence mit researchers are helping to solve one of the mysteries of the origins of cosmological magnetic fields may 25 2022 read full story seeing an elusive magnetic effect through the lens of machine learning

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about the journal the journal of magnetism and magnetic materials provides an important forum for the disclosure and discussion of original contributions covering the whole spectrum of topics from basic magnetism to the technology and applications of magnetic materials

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the book is thoroughly illustrated with over 600 figures to help convey concepts and explain ideas clearly easily digestible tables and data sheets provide a wealth of useful information on magnetic properties the thirty eight principal magnetic materials and many more related compounds are treated in detail

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1 56 0 38 introduction a magnet is a rock or a piece of metal that can pull certain types of metal toward itself the force of magnets called magnetism is a basic force of nature like electricity and gravity magnetism works over a distance this means that a magnet does not have to be touching an object to pull it what causes magnetism

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geologists uncovered ancient rocks in greenland that bear the oldest remnants of earth s early magnetic field the results potentially extend the age of the earth s magnetic field by hundreds of millions of years and may shed light on the planet s early conditions that helped life take hold

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