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Electricity and Magnetism

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| **Across****3.** Charges that don't move (neutral)**4.** Imbalance of electrons on an object creates **8.** Electrons cannot move easily through this material **11.** North and South Pole **23.** Is a device that transforms mechanical energy into electrical energy**24.** Electrons **25.** Pole that points to the North Pole **26.** Electrons can move easily through this material**28.** Source of power **29.** Attracted or repelled force exerted by all charged objects on each other **30.** Energy changing forms  | **Down****1.** The area where magnetic force is exerted**2.** A core made of solid or laminated iron, or some other magnetic material which may contain very little iron.**5.** The direction in which the north end of a compass needle points**6.** Go farther (opposite)**7.** The measurement for voltage **9.** The North Pole magnet **10.** South Pole magnet **12.** A circuit with more than one path for extricate current to flow **13.** A circuit with only one path for electric current to flow **14.** Surrounds every electric charge & exerts force on other electric charges **15.** The flow of electric charge**16.** Protons**17.** iron core that has copper coils wrapped around it and electric current**18.** Attracting each other **19.** An object that attracts or repels certain objects **20.** the area where magnetic force is exerted**21.** Come close**22.** Pole of the magnet that points to South Pole **27.** A machine that converts energy |