

Magnelism Differences between electric and magnetic forces 1- The electric force acts in the direction of the electric field, whereas the magnetic force magn acts perpendicular to the magnetic field. fun 2- The electric force acts on a charged partide oud regardless of whether the particle is moving, In a whereas the magnetic force acts on a Law moving charged particle. 3. The electric force does work in the displacing a charged particle, whereas the magnetic force associated with a steady magnetic field does no work when a particle is displaced. · A magnetic field cannot charge the speed of a particle. Is but can after the direction. cyclotron: The angular speed is often refferred to as the cyclotron frequency because charged particles circulate at this angular speed in the true of the control of the c speed in the type of accelerator called

South pole. Why does magnétic monopole can't exist? A magnetic flux that is generated from magnetic materials has a closed loop. This fur generates from the north pole and ended at he south poles in the atmosphere. In absence of any poles, these this lines cannot be imagined.

Effect of resistance on conductors The conductor's resistance increases as the temperature increases. Effect of resistance on semiconductors The electrons get excited and jump from the valence band into the conduction band and thereby increases conductance resulting in the decrease of resistance.