

Magnetism



Name Class Date An electron moving in a uniform magnetic An accelerating particle that does not field experiences the maximum magnetic generate electromagnetic waves could be force when the angle between the direction of the electron's motion and the direction of A a neutro the magnetic field is B a proton c an electron an alpha B 45° 90° 180° A beam of particles is produced in a cathode-3 Which device does not operate by means ray tube. The beam may be deflected by a of torque exerted on a current-carrying magnetic field because each particle in the loop of wire in a magnetic field? beam 5 **PREVIEW** Please Sign In or Sign Up to download the printable version of this worksheet 7 horseshoe magnet? A violet light B green light C yellow light red light 9 the speed of the electrons traveling between two opposite magnetic through the magnetic field increases, the poles. Which procedure will produce magnetic force on the electrons will the greatest induced potential difference in the conductor? A decrease A holding the conductor stationary between B increase the poles C remain the same B moving the conductor out of the page c moving the conductor toward the right side of the page D moving the conductor toward the N-pole



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