	Magnets
1.	What happens to a bar magnet in a uniform magnetic field?
2.	What is the magnetic polarity of the Earth's north pole?
3.	What must be the units of magnetic field?
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4.	A particle with charge $q$ has an initial velocity $\vec{v}$ perpendicular to uniform magnetic field $\vec{B}$ . Describe its subsequent path, quantitatively if possible.
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