**Electric Motor Vs Generator Worksheet**

How does an electric motor differ from a generator? Compare them using a Venn Diagram, choosing your answers from the box below. Download a copy of the worksheet to write your answers into.



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| input is mechanical | have stator and rotor | electromagnetic induction |
| electric fan | permanent magnet | converts electrical energy to mechanical energy |
| power turbine | coil mounted on axle with a magnetic field | input is electrical |
| energy transformation | converts mechanical energy to electrical energy | generates electricity |
| magnetic force | electric car or bike | have coil of wire |