

Electric Motor, Generator and Transformer

Name _____

Period _____

1. Make a sketch of an **electric motor**. Label magnet, coil of wire and electric current.
2. Explain how an electric motor operates.
3. List at least 3 other items that could be powered by an electric motor.
4. Make a sketch of a **generator**. Label magnet, coil of wire, mechanical input, electric output (light bulb).
5. Explain how a generator works. How does it differ from an electric motor?
6. List 3 items that generators are used for.

