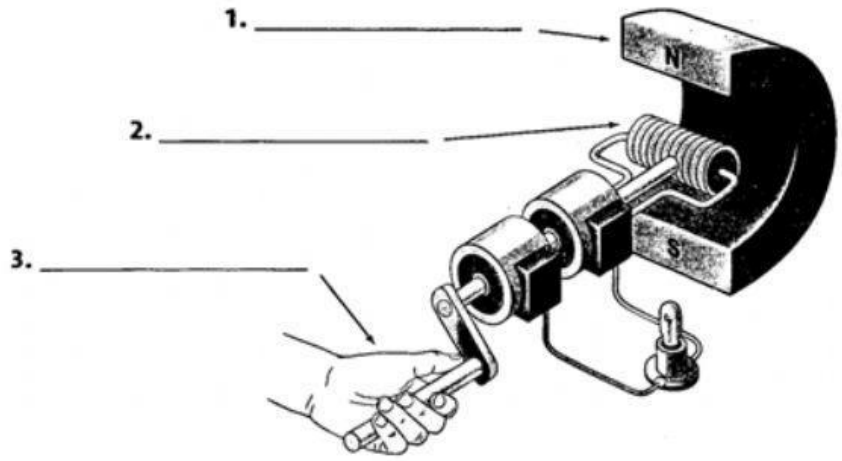
Drag and Drop

source of mechanical energy
electromagnet
permanent magnet



_____ Uses an electromagnet to change electrical energy into mechanical energy.

_____ Captures static discharge in the form of lightning and sends it to the ground. Protects homes and other buildings

_____ As the number of loops in an electromagnet increases the strength of the electromagnet increases.

_____ Has all of the same parts and an electric motor but does the exact opposite of a motor; **it changes mechanical energy to electrical energy.**

_____ Is a temporary magnet, made by placing a magnetic material inside of current carrying wires, its strength depends on the number of loops and the amount of current.

_____ Used in most homes, has two or more branches for the electricity to flow.

_____ The switch in an electric motor that reverses the flow of current this changes the poles of the electromagnet in the motor and keeps it spinning.

_____ It has a commutator, and electromagnet that spins between a permanent magnet, all of the same parts as a motor, but it does exactly the opposite of a motor; it changes mechanical energy into electrical energy.

A. how is the device shown similar to an electric motor?

B. The number of loops of wire in an electormagnet.

C. generator

D. electromagnet

E. commutator

F. lightning rod

G. Electric motor

H. a parallel circuit