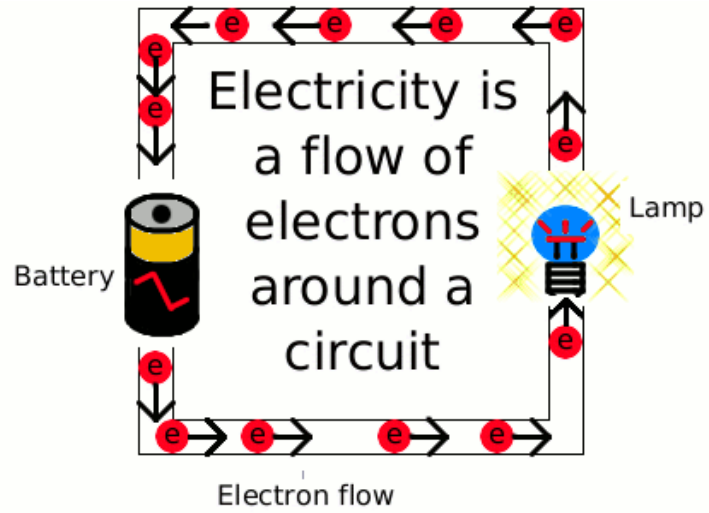
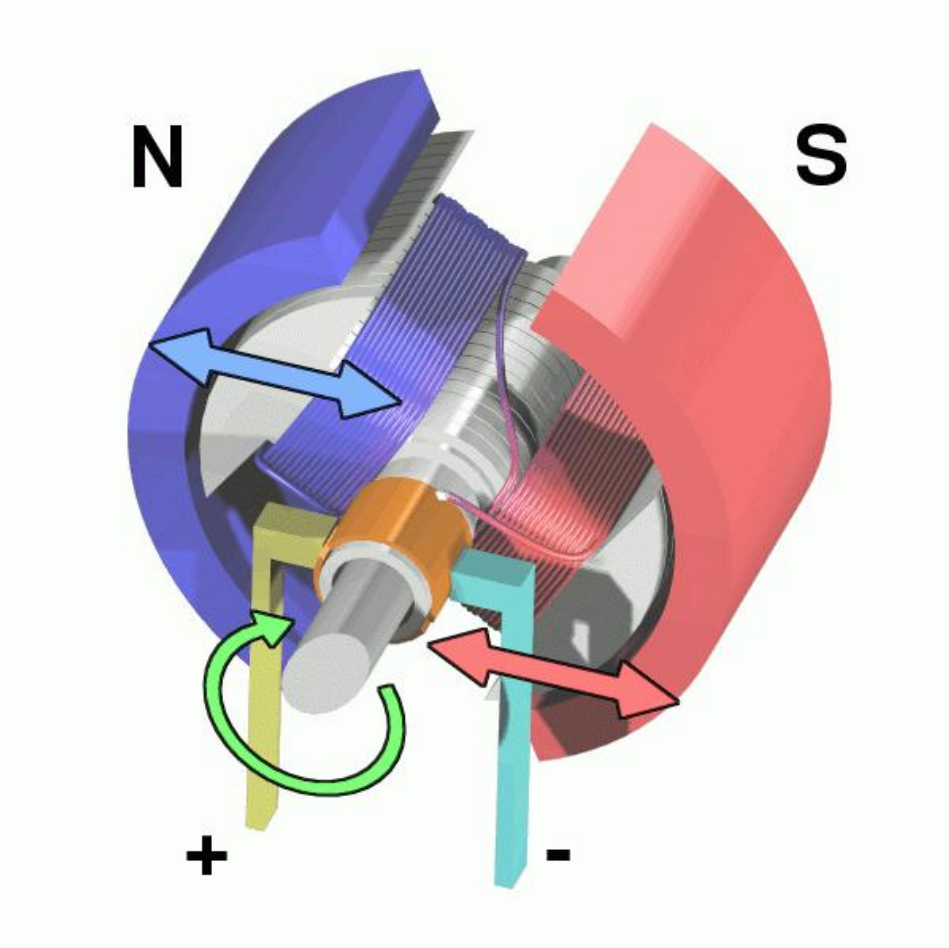
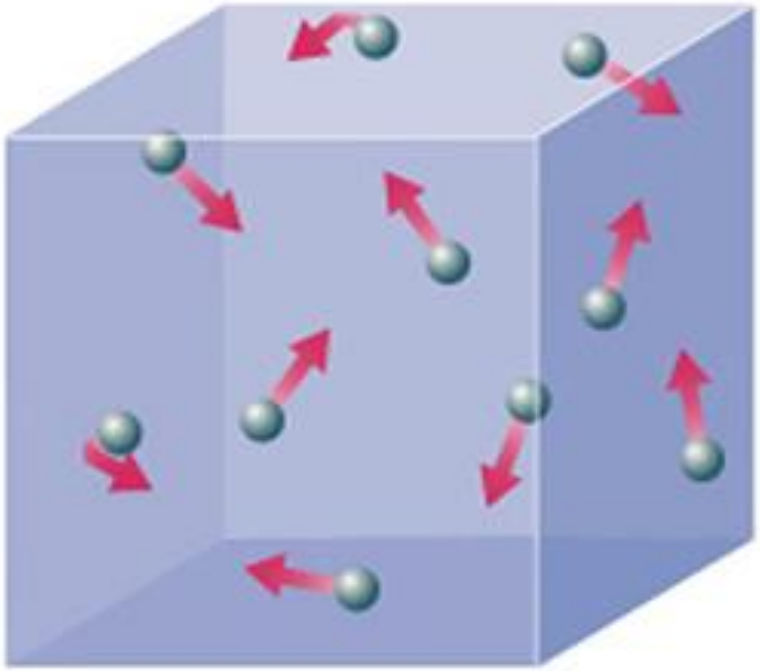
Form	Description	Examples	How is work being done?
Electrical	Movement of electrons	Battery, power plant, generator	Electrons, through magnetism, move mechanical parts or generate heat, light(magnetism not involved in conversion to light)

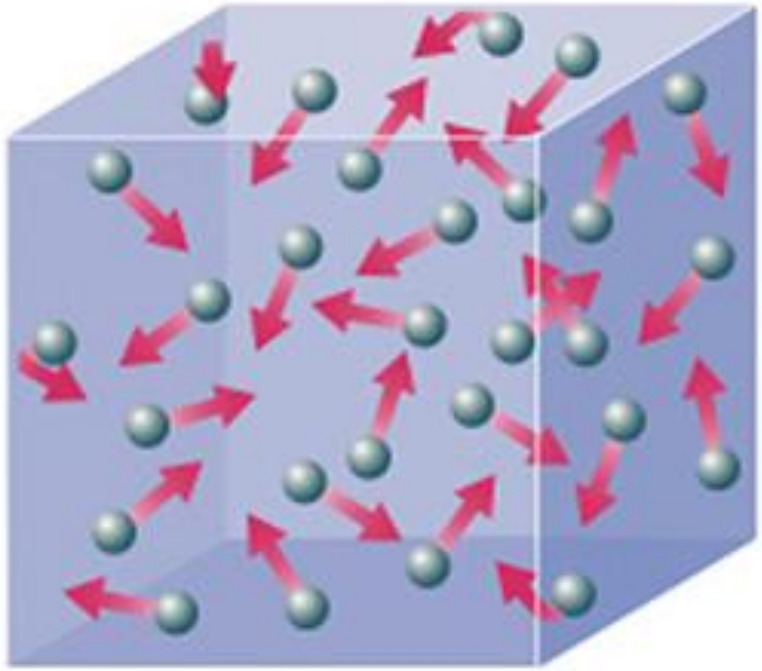


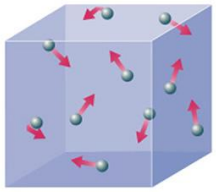
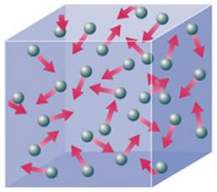
Electric motor

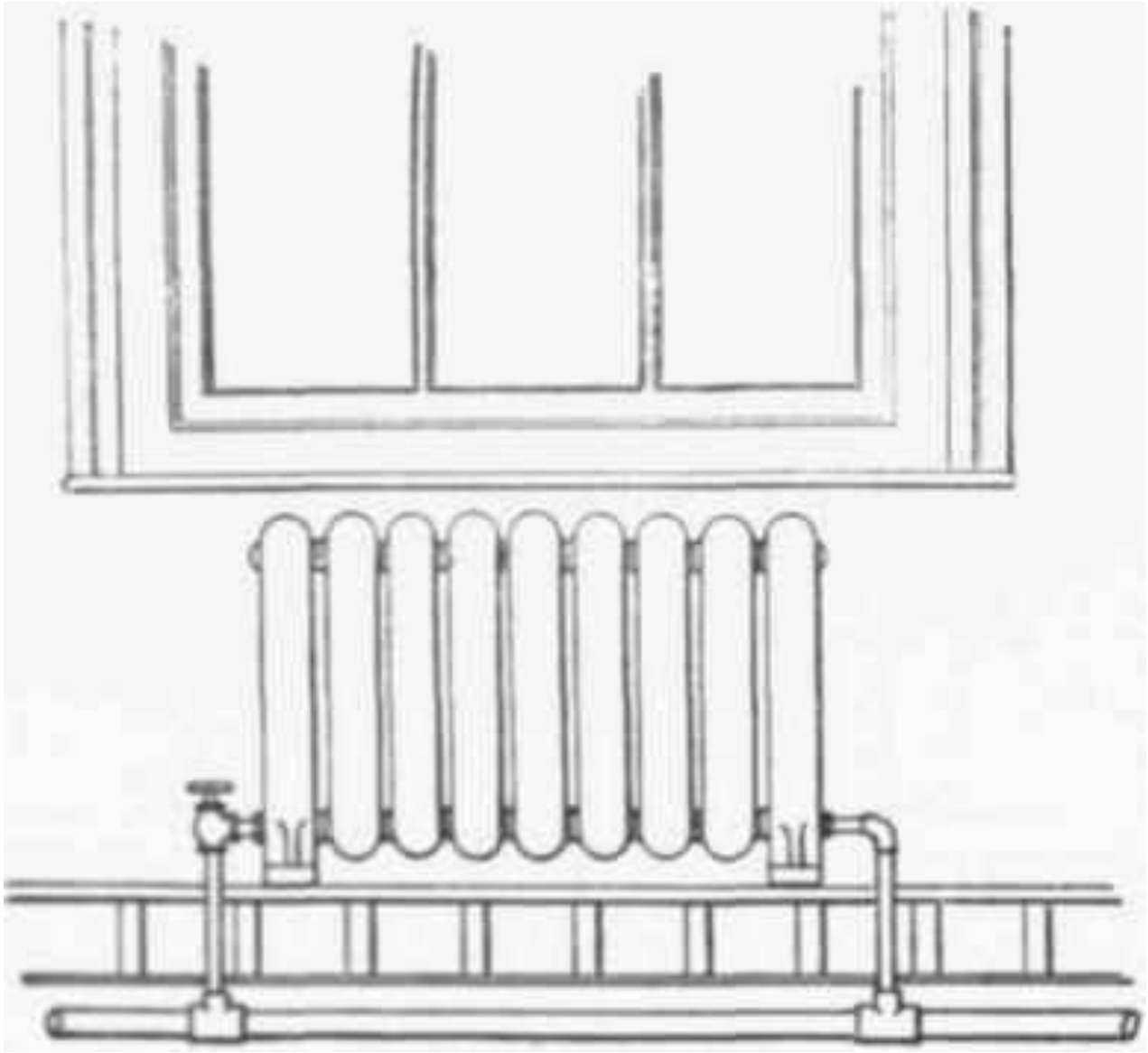


Thermal energy

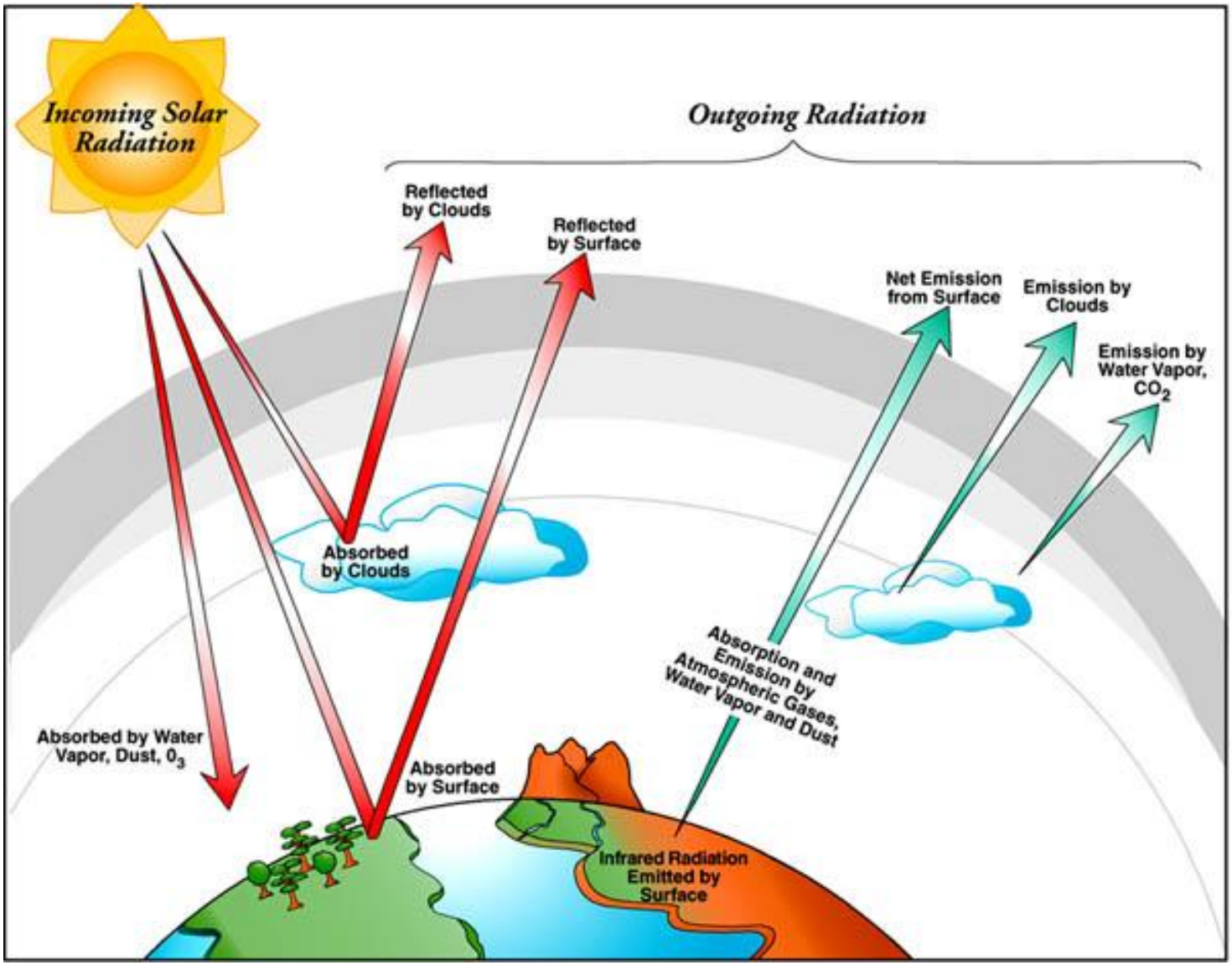




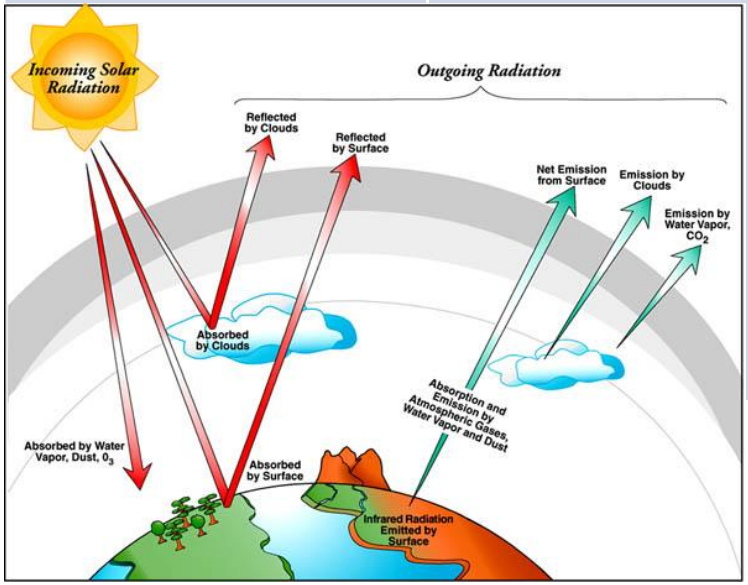
Form	Description	Examples	How is work being done?
Thermal  	Motion of atom and molecules releases heat	water heater	agitated water molecules excite radiator metal and air around it



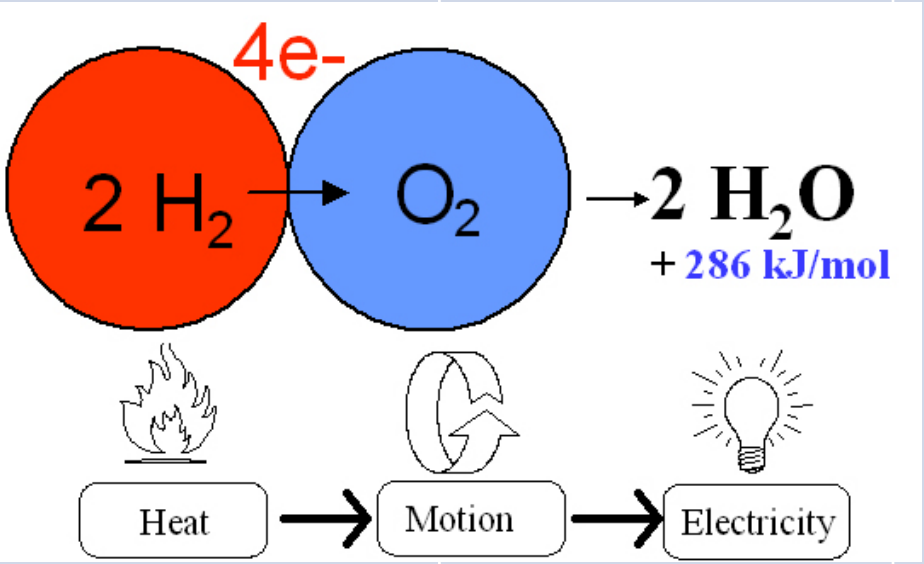
Electromagnetic Radiation

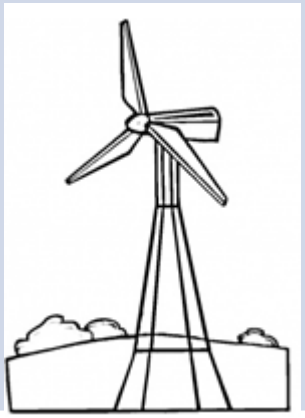


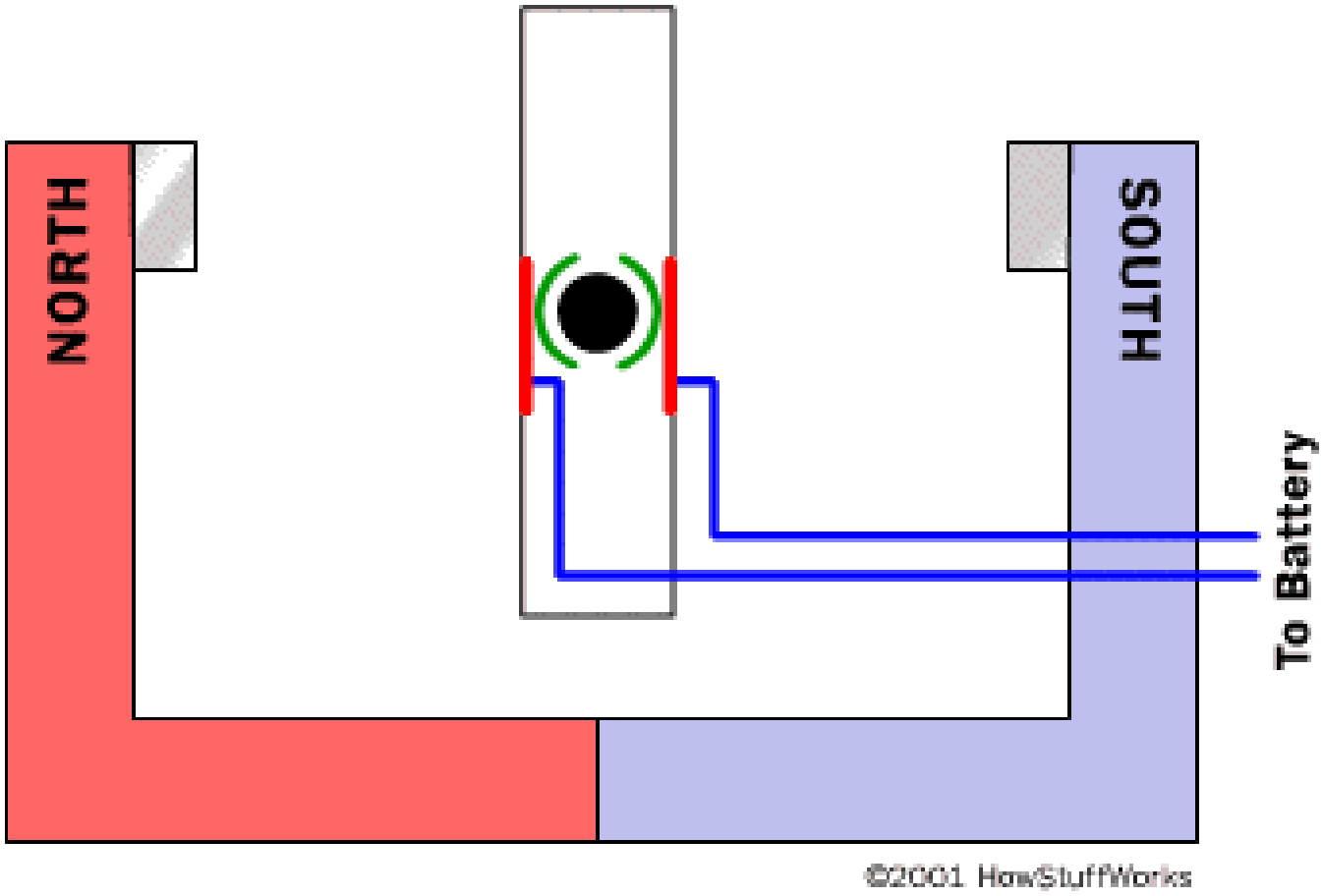
Form	Description	Examples	How is work being done?
Radiation energy	**Propagation (movement) of electromagnetic waves**	1. Solar energy; 2. loss of infrared by earth's surface 3. microwaves 4. cell phones	1. (solar)EMR waves move across space, reach the atmosphere and excite air molecules



Form	Description	Examples	How is work being done?
Chemical energy	Stored in bonds	1. Energy from food released in respiration 2. Fires 3. Stretching a rubber band	1. Heat excites body molecules and keeps them reacting at the necessary speed; energy is used to make ATP, which makes muscles contract, makes synthesis possible and fuels thinking



Form	Description	Examples	How is work being done?
Wind energy 	Results from the movement of air	Wind turbines	Wind turns turbines which through magnetism generate electricity


NORTH
SOUTH
To Battery
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Form	Description	Examples	How is work being done?
Nuclear energy 	Stored in the nucleus of atoms	1. Nuclear power stations; 2. Medicinal isotopes	1. Water is heated by nuclear reactions; steam is used to turn turbines that generate electricity 2. Attack and kill cancer cells