

Galvanic cell a device in which chemical energy from a spontaneous oxidation reduction reaction is changed to electrical energy that can be used to do work

Galvanizing a process in which steel is coated with zinc to prevent corrosion

Gamma (γ) ray a high – energy photon produced in radioactive decay

Gas one of the three states of matter; has neither fixed shape not fixed volume

Geiger – Muller counter (Geiger counter) an instrument that measures the rate of radioactive decay by registering the ions and electrons produced as a radioactive particle passes through a gas – filled chamber

Gene a given segment of the DNA molecule that contains the code for a specific protein

Greenhouse effect a warming effect exerted by certain molecules in the earth's atmosphere (particularly carbon dioxide and water)

Ground state the lowest possible energy state of an atom or molecule

Group (of the periodic table) a vertical column of elements having the same valence electron configuration and similar chemical properties