**Fat (glyceride)** an ester composed of glycerol and fatty acids

**Fatty acid** a long – chain carboxylic acid

**Filtration** a method for separating the components of a mixture containing a

solid and a liquid

**First law of thermodynamics** a law stating that the energy of the universe is

constant

**Fission** the process of using a neutron to split a heavy nucleus into two nuclei

with smaller mass numbers

**Fossil fuel** a fuel that consists of a carbon – based molecules derived from

decomposition of once – living organisms; coal, petroleum, or natural gas

**Frequency** the number of waves (cycles) per second that pass a given point in

space

**Fuel cell** a galvanic cell for which the reactants are continuously supplied

**Functional group** an atom or group of atoms in hydrocarbon derivatives that

contains elements in addition to carbon and hydrogen

**Fusion** the process of combining two light nuclei to form a heavier, more stable

nucleus