

D

density amount of mass contained in a given volume (213)

desalination process of removing salt from water (354)

diffusion movement of particles from an area of higher concentration to an area of lower concentration (26)

digestive system system made up of the mouth, salivary glands, esophagus, stomach, liver, gall bladder, pancreas, and small and large intestines; breaks food down so that nutrients can be absorbed by the blood and transported to all cells (68)

discharge release or pour out (314)

E

efficiency measurement of the useful work done by a machine compared to the work needed to operate the machine (145)

endocrine system system made up of several glands that produce hormones (69)

endoplasmic reticulum folded organelle in a cell that makes proteins (18)

energy ability to do work (107)

environmental stewardship taking action to manage, maintain, and enhance the health of the environment for current and future generations (338)

epithelial tissue tissue that covers the surface of the body and internal organs; lines the inside of some organs such as the small intestine (63)

excretory system system made up of the kidneys, ureters, bladder, and urethra; filters the blood and removes liquid waste and extra water from the body (68)

eyepiece lens of a microscope that magnifies the specimen, usually by 10 times (10×) (14)

F

first-class lever lever that always has the fulcrum between the input and output forces and the output force is always in the opposite direction to the input force (e.g., pry bar) (132)

flow rate measure of the speed at which a fluid flows from one point to another; determined by measuring the amount of fluid that flows past a given point in a given time (213)

fluid any substance that flows (192)

fluid system group of parts, including at least one fluid, that interact with each other and function together as a whole (240)

force push or pull that acts on an object; measured in newtons (N) (98)

fresh water type of water with less than one percent dissolved salts (280)

friction force that opposes the relative motion of an object (99)

fulcrum point at which a lever is supported (132)

G

glacier mass of ice and overlying snow that moves slowly down the mountain slope under the influence of gravity (283)

Golgi apparatus folded organelle that combines proteins made by the endoplasmic reticulum and delivers them to the rest of the cell and outside the cell (18)

gravitational potential energy potential energy of an object that is able to fall (108)

gravity force of attraction between two objects because of their mass (99)

groundwater zone area where water fills all the air spaces in the soil and in the tiny cracks in the rock (282)

H

heat capacity ability of a material to absorb heat (291)

hoist fluid system that uses two pistons of different sizes to create pressure to lift a vehicle (242)

hydraulic system system that uses a liquid under pressure to transmit a force and do work (242)

I

ice sheet particularly large glacier that covers the land (283)