

GLOSSARY

B

buoyant force a force that acts upward on an object submerged in a liquid or floating on the liquid's surface (319)

F

fluid a nonsolid state of matter in which the atoms or molecules are free to move past each other, as in a gas or a liquid (318)

I

ideal fluid a fluid that has no internal friction or viscosity and that is incompressible (332)

M

mass density the mass per unit volume of a substance (319)

P

pressure the magnitude of the force on a surface per unit area (325)

T

temperature a measure of the average kinetic energy of the particles in a substance (331)