

reflection, abrupt change in the direction of [propagation](#) of a [wave](#) that strikes the boundary between different mediums. At least part of the oncoming wave disturbance remains in the same medium. Regular reflection, which follows a simple law, occurs at plane boundaries. The angle between the direction of [motion](#) of the oncoming wave and a perpendicular to the reflecting surface ([angle of incidence](#)) is equal to the angle between the direction of motion of the reflected wave and a perpendicular ([angle of reflection](#)). Reflection at rough, or irregular, boundaries is diffuse. The reflectivity of a surface material is the fraction of [energy](#) of the oncoming wave that is reflected by it. *See also* [total internal reflection](#).