stripping reaction

stripping reaction, in nuclear physics, process in which a projectile nucleus grazes a target nucleus such that the target nucleus absorbs part of the projectile. The remainder of the projectile continues past the target. An example is the (*d*, *p*) stripping reaction involving an aluminum-27 nucleus and a deuteron. The deuteron (consisting of one proton and one neutron) grazes the aluminum nucleus, which captures the neutron to become aluminum-28, and the proton continues on with a velocity comparable to that of the incident deuteron.

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