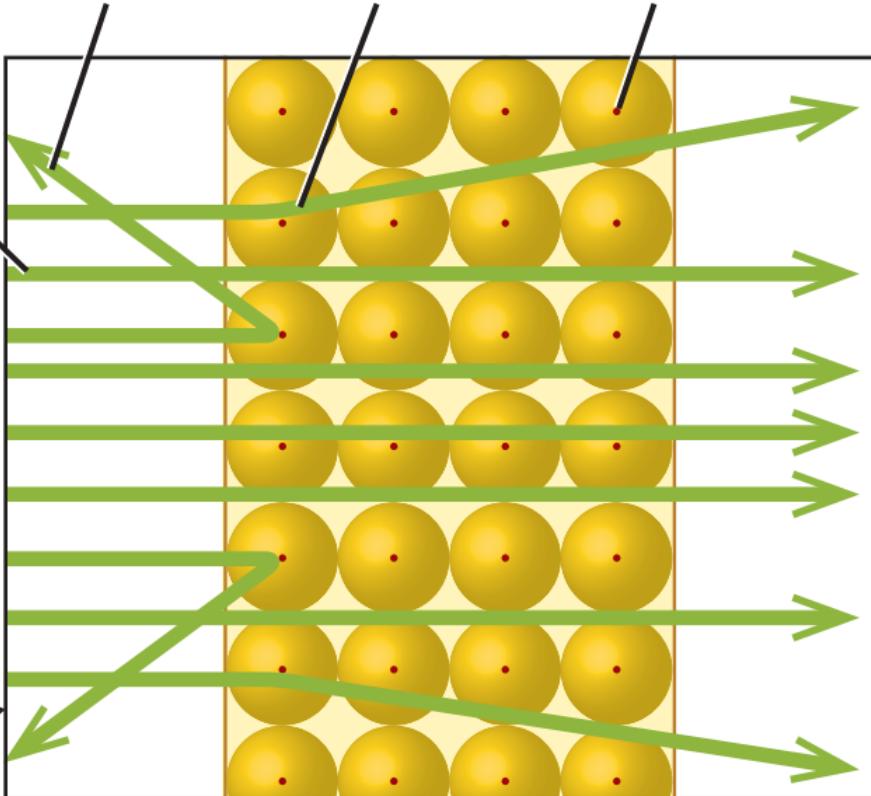


Most α particles are not deflected

A very small number of α particles are significantly deflected

A few α particles are slightly deflected

Nucleus of gold atom



Enlarged cross-section