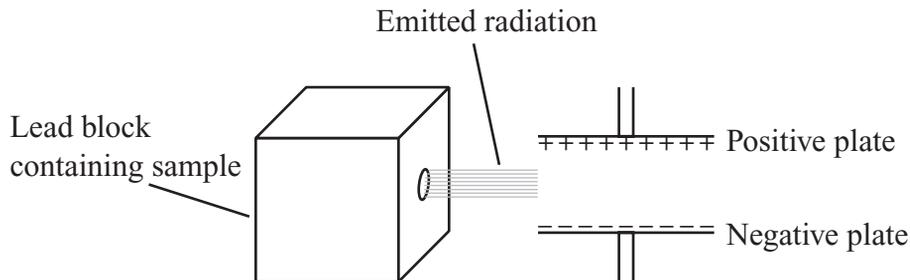


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Radium-223 is part of a radioactive decay series that gives off alpha, beta, and gamma radiation.

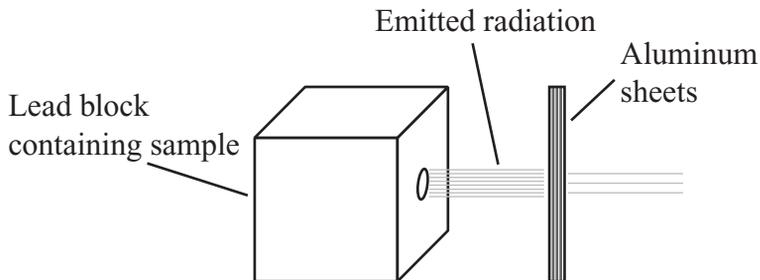
a. Identify the charges on alpha radiation, beta radiation, and gamma radiation.

A sample of radium-223 is placed in a lead block and the emitted radiation passes between charged plates, as shown below.



b. Describe the path of **each** type of radiation as it passes between the charged plates.

If several sheets of aluminum are placed in the path of the radiation emitted from the sample of radium-223, as shown below, some radiation would be blocked.



c. Identify which type of radiation the aluminum sheets would **least likely** block. Explain your answer.