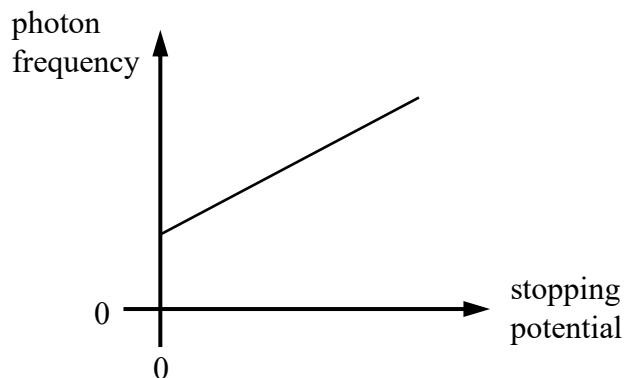


27 A photoelectric experiment is conducted by shining electromagnetic radiation of various frequencies on a metal surface. The graph shows the variation of incoming photon frequency with stopping potential of the photoelectrons for the metal surface.



What changes, if any, would occur in the graph for a metal of lower work function?

- | gradient | y-intercept |
|-----------------|--------------------|
| A lower | lower |
| B higher | higher |
| C same | lower |
| D same | higher |