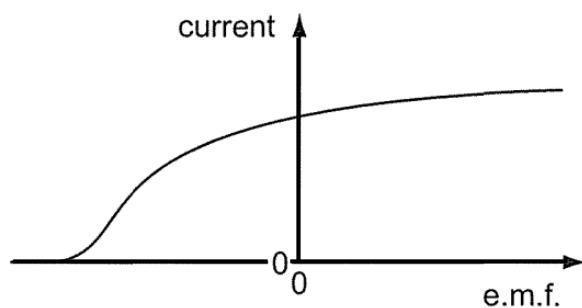


- 28 A photocell is connected in a series circuit with a variable d.c. power supply and a sensitive ammeter.

The photocell is illuminated with ultra-violet radiation and photoelectrons are emitted. The electromotive force (e.m.f.) of the supply is then reduced and reversed and a graph is plotted of current against e.m.f. as shown.



Which graph is obtained if the experiment is repeated with a lower intensity of the same ultra-violet source?

