**27*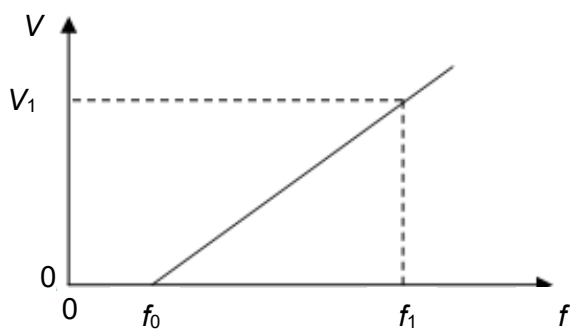* In a photoelectric experiment, the potential difference V that must be maintained between the illuminated surface and the collector so as to just prevent any electrons from reaching the collector is determined for different frequencies f of the incident light. The graph below is obtained.

What is the maximum kinetic energy of the electron emitted at frequency f_1?

A hf_1 **B** $h(f_1 - f_0)$ **C** $eV_1 - hf_0$ **D** $\dfrac{V_1}{f_1 - f_2}$