

#4)

A mass is released at rest on a ramp whose angle is steeper ~~that~~ than the angle of repose. It is subject to gravity and to the force of dry friction (which is independent of v).

Which one of the following is true?

[A] The mass accelerates till it reaches some terminal velocity V_t .

[B] The acceleration " a " is constant, with $|a| > g$.

[C] The acceleration " a " is constant, with $|a| < g$.

[D] The mass stands still.