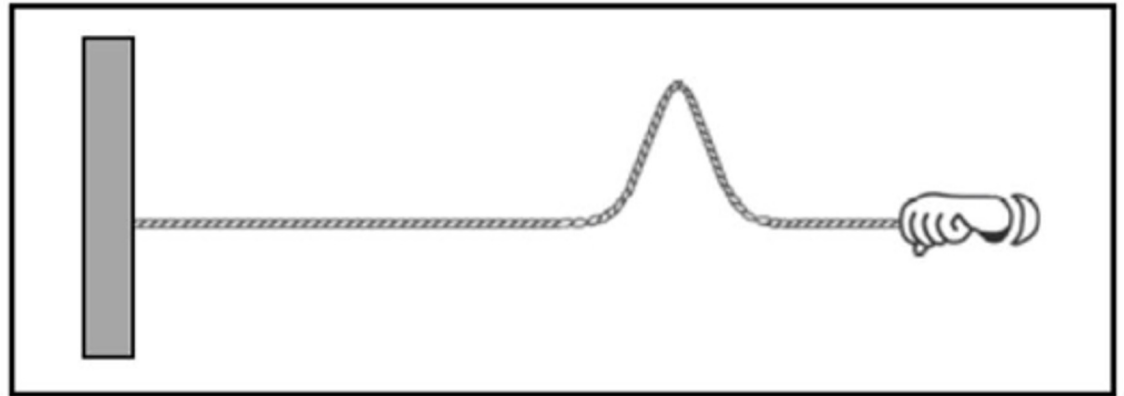


Tension pulse flick question

Consider the following two scenarios: In scenario 1, your Teaching Assistant (TA) creates a pulse by flicking the end of a spring, as in the figure at right. In



scenario 2, your TA pulls the spring so that it is more taut (*i.e.*, increases the tension in the spring) and then creates a pulse by flicking the end of the spring in the same way. The pulse in scenario 2 travels down the spring **faster** (*i.e.*, has a larger speed) than the pulse in scenario 1.

Why would it make sense for a pulse to move faster on a higher-tension spring?

