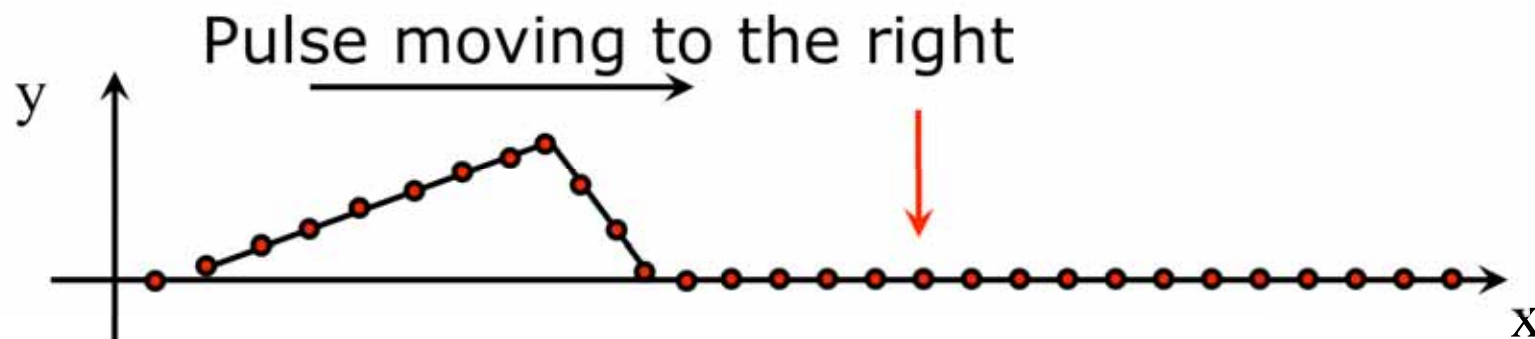


What happens when I “flick”
a short pulse down a long,
taut spring?



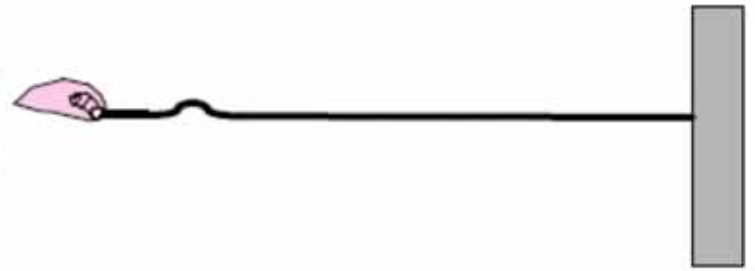
1. It keeps its shape but gets smaller the farther it goes.
2. It keeps its shape and stays the same size.
3. It changes shape, but stays about the same size.
4. It changes shape, and gets smaller.
5. I have no clue.

If this is the space-graph (photo at an instant of time) what does the time-graph look like for the x and y positions of the bead marked with a red arrow?



1. Choice One
2. Choice Two
3. Choice Three
4. Choice Four
5. Choice Five
6. Choice Six
7. Choice Seven
8. Choice Eight

What Controls the Speed of the Pulse on a Spring?



- Which would be the best way to make the pulse go faster
 1. Move your hand up and down more quickly (but by the same amount).
 2. Move your hand up and down more slowly (but by the same amount).
 3. Move your hand up and down a larger distance in the same time.
 4. Move your hand up and down a smaller distance in the same time.
 5. Use a heavier string of the same length under the same tension.
 6. Use a string of the same density but decrease the tension.
 7. Use a string of the same density but increase the tension.
 8. Put more force into the wave,
 9. Put less force into the wave.

