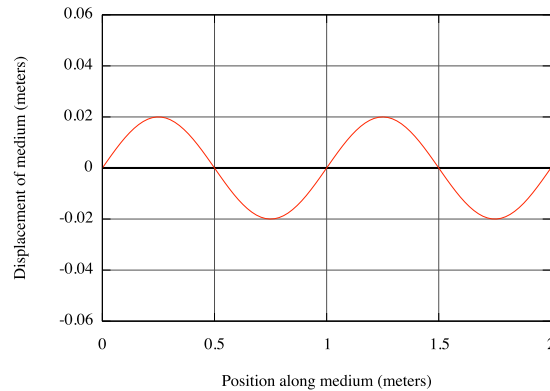


For the next six items refer to the plot of the periodic wave shown below:



1. What kind of a plot is this? **Snapshot** / **History** (Circle one)
2. What kind of wave is this? **Transverse** / **Longitudinal** (Circle one)
3. What is the wavelength of this wave?

\_\_\_\_\_

4. What is the amplitude of this wave?

\_\_\_\_\_

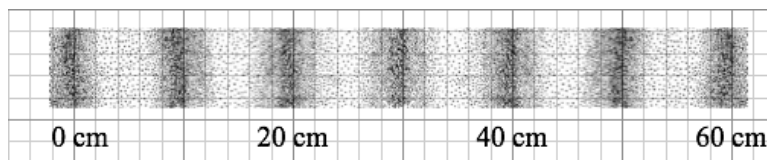
5. Label on the diagram above all the crests of this wave with a “**C**”.

6. Label on the diagram above all the troughs of this wave with a “**T**”.

7. How many wavelengths of the wave are shown over the 2 meters included in this graph?

\_\_\_\_\_

For the next four items refer to the snapshot of the wave shown below:



8. What kind of wave is this? **Transverse** / **Longitudinal** (Circle one)
9. What is the wavelength of this wave?

\_\_\_\_\_

10. Label on the diagram above all the compressions of this wave with a “**C**”.
11. Label on the diagram above all the rarefactions (expansions) of this wave with an “**R**”.
12. Write down how many wavelengths are represented in each of the following four segments of periodic transverse waves.



A. \_\_\_\_\_



B. \_\_\_\_\_



C. \_\_\_\_\_



D. \_\_\_\_\_



E. \_\_\_\_\_