



Figure 2

Describe the motion of the car in **Figure 2**. Include information about its initial position, direction of motion and if the car is speeding up, slowing down or moving at a constant speed. Briefly explain how you know.

Assuming that the motion diagram shows the position of the car at uniform intervals of two seconds, create a data table of the position (x) of the car as a function of time (t).

t (sec)	x (m)

Plot the position of the car as a function of time. How would you connect the points in this example? What information does the shape of this plot reveal?



