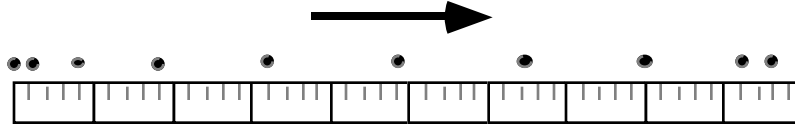
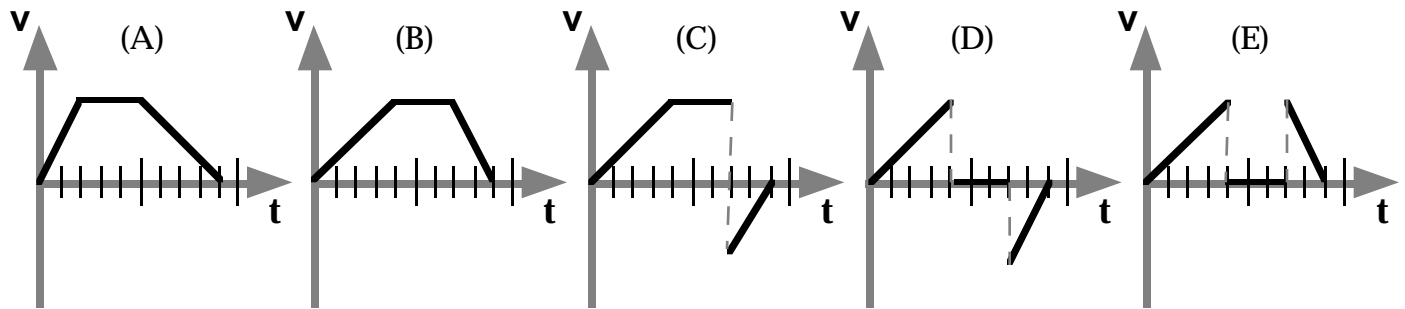


Mechanics Baseline Test

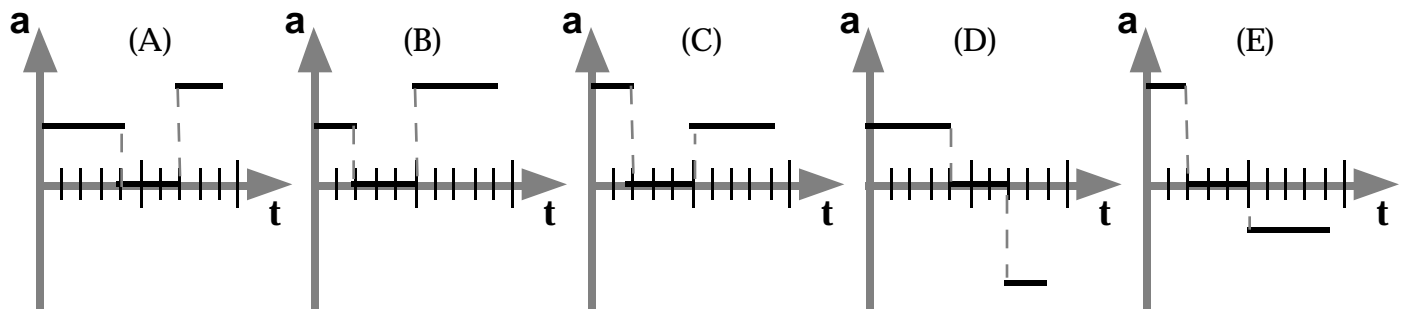
Refer to the diagram below when answering the first two questions. This diagram represents a multiframe photograph of an object moving along a horizontal surface. The positions as indicated in the diagram are separated by equal time intervals. The first flash occurred just as the object started to move and the last flash just as it came to rest.



1. Which of the following graphs best represents the object's velocity as a function of time?



2. Which of the following graphs best represents the object's acceleration as a function of time?



3. The velocity of an object as a function of time is shown in the graph at the right. Which graph below best represents the net force vs time relationship for this object?

