Postactivity assessment

1. Describe the motion of the object shown in each of the following Distance vs. Time graphs. *Be sure to describe both speed and velocity (speed and direction).*



B.

A.

Time (seconds

Time (seconds

Distance (meters)

Distance (meters)

Figure 2: Distance vs. time of moving object B

Figure 1: Distance vs. time of moving object A



C.

D.

Time (seconds

Time (seconds

Distance (meters)

Distance (meters)

Figure 4: Distance vs. time of moving object D

Figure 3: Distance vs. time of moving object C

1. Draw a velocity graph (distance vs. time) for the following scenarios. Be sure to add all required labels to your graphs.

*A. A person looking for flowers in a field walks 25 meters in 15 seconds, stops to look closely at a flower for 15 seconds, and then walks on at the same speed for another 20 seconds.*



*B. A dog runs after a thrown ball for 40 meters in 10 seconds, stops for 2 seconds to pick up the ball, and then trots back to her owner in 20 seconds.*