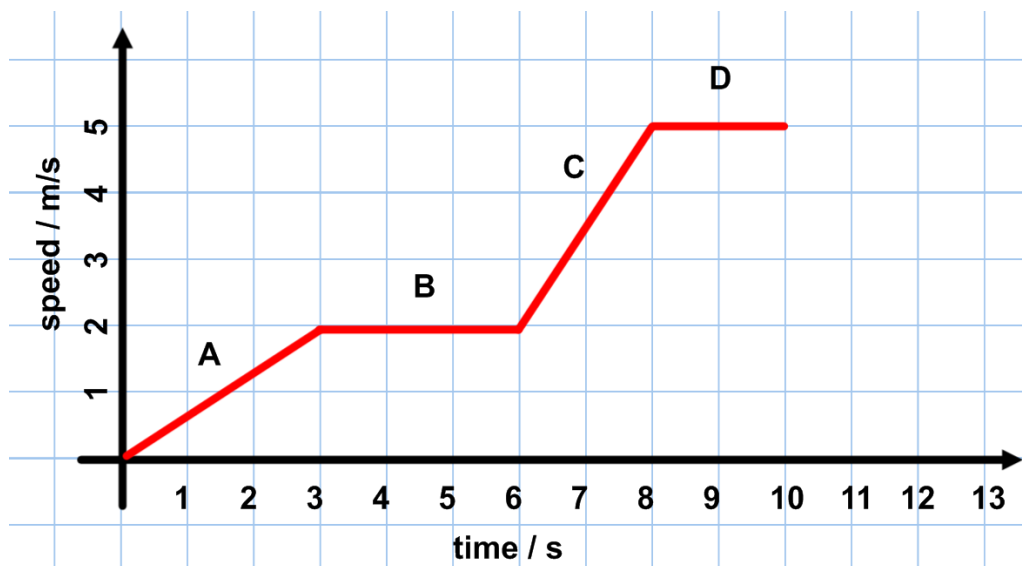


Speed-Time Graphs

Name



1. The graph shows the motion of a radio controlled car. Describe the motion of in words.

2. What is the acceleration during:

a. Part A

b. Part B

c. Part C

d. Part D

3. What is the distance travelled during:

a. Part A

b. Part B

c. Part C

d. Part D

4. What is the total distance travelled for the whole journey?

5. What is the average speed for the whole journey?

6. Optional (hard) question: after Part D the car slows down at a constant rate and comes to a stop in a distance of 5m. Continue the red line on the graph to correctly show this motion, and calculate the acceleration.