Worksheet

Answer the following questions based on the video.

1. What is shown on the y axis?
2. What is shown on the x axis?
3. Fill in the missing information about each point on the graph:

|  |  |  |  |
| --- | --- | --- | --- |
| Point | Time elapsed (min) | Distance from home (km) | Location |
| A | 0 | 0 | Home |
| B |  |  | Park |
| C |  |  | Shop |
| D |  |  | Intersection |
| E |  |  | School |
| F |  |  | Home |

1. Why is the gradient of the line steeper in some areas than others?
2. Why was the slowest speed covered between C and D?
3. Why did the journey between B and C take over twice as long as the journey between A and B?
4. Why did he have his fastest speed between D and E?
5. Why did he cover a lot of distances in a short period of time between A and B?
6. How far did he run in total? Explain your answer.