## Hot Wheelin’ Physics

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Follow your teacher's directions to complete this lab activity. Be sure to record your lab results in the charts!

Trial 1:

| Point | Distance | Time |
| :---: | :---: | :---: |
| A |  |  |
| B |  |  |
| C |  |  |
| D |  |  |
| E |  |  |

Trial 2:

| Point | Distance | Time |
| :---: | :---: | :---: |
| A |  |  |
| B |  |  |
| C |  |  |
| D |  |  |
| E |  |  |

Trial 3:

| Point | Distance | Time |
| :---: | :---: | :---: |
| A |  |  |
| B |  |  |
| C |  |  |
| D |  |  |
| E |  |  |

Speed $=$ Distance $\div$ Time

1. Calculate the speed for each trial using the total time and total distance. Show your work!

Trial 1: $\qquad$ Trial 2: $\qquad$ Trial 3: $\qquad$
2. Calculate the speed from Point B to Point C for each trial. Show your work!

Trial 1: $\qquad$ Trial 2: $\qquad$ Trial 3: $\qquad$
3. Calculate the speed from Point D to Point E for each trial. Show your work!

Trial 1: $\qquad$ Trial 2: $\qquad$ Trial 3: $\qquad$
4. Construct a graph to show your results. Be sure to label each graph!

Trial 1:


Trial 2:

|  |  |  |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

Trial 3:

5. Do your graphs represent a constant speed or an average speed?
6. Are your results reliable? Explain.

