

A Physics Interactive Quiz : Motion

Name:

| # | 3 | question | Answer | 0 | <--score |
|------|----|--|--------|---|----------|
| # 1 | 3 | seconds is how long it takes a car to cover 2000 meters. The average velocity is: | | 0 | |
| # 2 | 6 | seconds is the time a car accelerates at 0.2 m/s ² . Find the final velocity | | 0 | |
| # 3 | 6 | Find the distance the same accelerating car covers: | | 0 | |
| # 4 | 9 | cm is the spacing between each of 5 drips. Find the velocity in cm/drip: (hint: draw this out before answering) | | 0 | |
| # 5 | 9 | find the acceleration if the drips get twice as far apart in the next interval | | 0 | |
| # 6 | 9 | what is the total displacement before the acceleration? | | 0 | |
| # 7 | 30 | meters is the height of a cliff. A ball dropped from this cliff would take how long to fall? | | 0 | |
| # 8 | 30 | How fast would the ball be going by then? | | 0 | |
| # 9 | 30 | m/s is the velocity of a car that hits a tree. If it takes 0.8 meters to stop, find acceleration in m/s ² | | 0 | |
| # 10 | 30 | how many "g"s is this? | | 0 | |

Extra Credit: Draw the s , v and a graphs for the drip question