**Motion**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| J | O | P | A | M | K | N | R | G | E | I | I | N | T | P |
| N | O | Y | U | M | K | X | A | S | V | V | K | O | N | O |
| M | O | U | R | K | M | G | S | E | H | E | J | I | I | S |
| N | O | I | T | A | R | E | L | E | C | C | A | T | O | I |
| H | E | Y | T | E | N | O | Y | N | N | T | H | C | P | T |
| G | E | G | P | O | C | O | E | J | S | P | E | E | D | I |
| T | R | O | A | I | M | R | I | P | K | M | K | R | A | V |
| H | L | A | T | T | E | P | W | T | I | O | J | I | W | E |
| S | O | Y | P | F | I | E | G | N | A | H | C | D | T | D |
| Y | M | Z | E | H | J | V | C | Y | D | T | P | M | I | X |
| I | D | R | A | Y | C | E | E | Y | G | I | S | G | M | M |
| D | I | S | T | A | N | C | E | M | H | J | C | X | E | R |

|  |
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|  |
| ACCELERATION | CHANGE | DIRECTION |
| DISTANCE | GRAPH | MOTION |
| NEGATIVE | POINT | POSITIVE |
| REFERENCE | SLOPE | SPEED |
| STATIONARY | TIME | VELOCITY |

1. The \_\_\_\_\_\_\_\_\_\_\_\_\_ of a distance vs. time graph equals the average \_\_\_\_\_\_\_\_\_\_\_\_.  
  
2. An object is accelerating if it is speeding up, slowing down, or changing \_\_\_\_\_\_\_\_\_\_\_\_.  
  
3. What is the acceleration of a car going north at a constant speed of 100 km/h? \_\_\_\_\_\_\_\_  
  
4. t = 5.8 s v = 25 m/s d = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_