

# Momentum Crossword Clues

## ACROSS

- 8 One billionth prefix
- 11 Giving human characteristics to inanimate objects
- 15 What the ugly duckling became
- 17 Calculator manufacturer, not Casio
- 19 Momentum is measured in kilogram-?\_s per second
- 20 When a single body is forcefully divided into two or more parts
- 23 VanGogh died with very little money and only one ?\_
- 24 Equal to a kg·m/s
- 26 A military academy on the eastern seaboard
- 27 A type of collision in which kinetic energy is conserved
- 30 1,000,000,000,000 prefix
- 31 Unit of electrical resistance
- 33 79% N<sub>2</sub>, 19% O<sub>2</sub>
- 34 Impact force is inversely proportional to impact ?\_
- 35 A word that implies division by time
- 37  $\mathbf{F} = m\mathbf{a}$  is not the way Newton revealed his ?\_ law in the *Principia*
- 39 Consume comestibles
- 41 Italian nuclear physicist Enrico; 1E-15m
- 43 Deux en Español
- 46 An event in which two bodies undergo an abrupt interaction
- 49 Is credited with developing the principle of conservation of momentum
- 51 Greek letter; “British” unit of pressure
- 55 HCl, NaCl, H<sub>2</sub>O, CO<sub>2</sub>, and C<sub>6</sub>H<sub>12</sub>O<sub>6</sub> are chemical ?\_s
- 56 Momentum is conserved in any system in which no ?\_ forces act
- 57 Chimpanzee, gorilla, orangutan, ?\_
- 58 The result of unbalanced, external force
- 59 Eastern Indian stringed musical instrument that relies on resonance
- 60 One piece of the result of an explosion
- 62 The kinds of perfect conditions under which introductory physics occurs
- 63 The answer to #34 across spelled backwards

## DOWN

- 1 Bay State;  $\mathbf{F} =$
- 2
- 3 A principle that applies to a quantity that does not change
- 4 Colorful ?\_ ; blue ion element
- 5 Joule is the MKS unit of energy, ?\_ is the cgs unit of energy
- 6 ?\_gate timer
- 7 One one-thousandth of a second
- 9 Angle measuring smaller than  $\pi/2$  radians
- 10 Sopranos, tenors, orchestra, elaborate costumes and classic story lines; small window on a car
- 12  $\mathbf{F} = \mathbf{p} / t$  is ?\_'s second law
- 13  $\mathbf{p} =$
- 14 The product of mass and velocity; inertia in motion
- 16 The rate of change in momentum
- 18 Half of the respiration process
- 21 Used to separate white light into colors
- 22 A sticky collision
- 25 Force/area in solids
- 28 Cyan, yellow, and magenta are primary ?\_s in printing
- 29 *Book of Phys* author
- 32 Momentum was regarded by Newton as “quantity of ?\_”
- 36 1E+15 prefix
- 38 1980’s Barry Levinson feature film about life in Baltimore in the early 1960’s
- 40 (N·s)/(m/s)
- 42 Developers and administrators of the SAT, SAT II, and AP Exams, among others
- 44 The tangent of  $\pi/4$  rad
- 45 A hypothesis that has been verified through extensive testing over a long period of time
- 47 Change in momentum
- 48 If you increase the ?\_ time, you decrease the ?\_ force
- 49 The name of the Greek letter commonly used to denote change
- 50 1970’s/80’s UK band that enjoyed hits with “Tempted” and “Pulling Mussels (From the Shell)”
- 52 The chemical nature of the noble gases
- 53 2000 was a leap ?\_, but 1700, 1800, and 1900 were not
- 54 Molten constituent of the Earth’s mantle
- 55 The modern version of this woodwind is commonly made of metal
- 60 The Sunshine State
- 61 Yellowish precious metal