


I'm not robot  reCAPTCHA

Continue

Peter (2007). "Bernoulli? or Bernoulli, but What About Viscosity?" (PDF). The Science Education Review. 6 (1). ...air does not have a reduced lateral pressure (or static pressure...) simply because it is caused to move, the static pressure of free air does not decrease as the speed of the air increases, it misunderstanding Bernoulli's principle to suggest that it is what it tells us, and the behavior of the curved paper is explained by other reasoning than Bernoulli's principle. ...An explanation based on Bernoulli's principle is not applicable to this situation, because this principle has nothing to say about the interaction of air masses having different speeds... Also, while Bernoulli's principle allows us to compare fluid speeds and pressures along a single streamline and... along two different streamlines that originate under identical fluid conditions, using Bernoulli's principle to compare the air above and below the curved paper in Figure 1 is nonsensical: in this case, there aren't any streamlines at all below the paper! d. Raskin, Jef. "Coanda Effect: Understanding Why Wings Work". Make a strip of writing paper about 5 cm X 25 cm. Hold it in front of your lips so that it hangs out and down making a convex upward surface. When you blow across the top of the paper, it rises. Many books attribute this to the lowering of the air pressure on top solely to the Bernoulli effect. Now use your fingers to form the paper into a curve that it is slightly concave upward along its whole length and again blow along the top of this strip. The paper now bends downward...an often-cited experiment which is usually taken as demonstrating the common explanation of lift does not do so... e. Auerbach, David (2000). "Why Aircraft Fly". European Journal of Physics. 21 (4): 289. Bibcode:2000EJPh...21..289A. doi:10.1088/0143-0807/21/4/302. The well-known demonstration of the phenomenon of lift by means of lifting a page cantilevered in one's hand by blowing horizontally along it is probably more a demonstration of the forces inherent in the Coanda effect than a demonstration of Bernoulli's law; for, here, an air jet issues from the mouth and attaches to a curved (and, in this case pliable) surface. The upper edge is a complicated vortex-laden mixing layer and the distant flow is quiescent, so that Bernoulli's law is hardly applicable. f. Smith, Norman F. (November 1972). "Bernoulli and Newton in Fluid Mechanics". The Physics Teacher. 10 (8): 451. Bibcode:1972PhTea..10..451S. doi:10.1119/1.2352317. Millions of children in science classes are being asked to blow over curved pieces of paper and observe that the paper "lifts"... They are then asked to believe that Bernoulli's theorem is responsible... Unfortunately, the "dynamic lift" involved...is not properly explained by Bernoulli's theorem. ^ a. Babinsky, Holger (2003). "How Do Wings Work". Physics Education. 38 (6): 497–503. Bibcode:2003PhyEd..38..497B. doi:10.1088/0031-9120/38/6/001. Retrieved January 7, 2021. ...if a streamline is curved, there must be a pressure gradient across the streamline, with the pressure increasing in the direction away from the centre of curvature. b. Smith, Norman F. (March 17, 2010). "Bernoulli, Newton, and Dynamic Lift Part II". School Science and Mathematics. 73 (4): 333. doi:10.1111/j.1949-8594.1973.tb09040.x. The curved paper turns the stream of air downward, and this action produces the lift reaction that lifts the paper. c. "AERONAUTICS: An Educator's Guide with Activities in Science, Mathematics, and Technology Education" (PDF). National Aeronautics and Space Administration. p. 26. Retrieved January 7, 2021. The curved surface of the tongue creates unequal air pressure and a lifting action. ... Lift is caused by air moving over a curved surface. ^ a. Anderson, David F.; Eberhardt, Scott (December 27, 2000). Understanding Flight. p. 229. ISBN 9780071386661 – via Google Books. Demonstrations of Bernoulli's principle are often given as demonstrations of the physics of lift. They are truly demonstrations of lift, but certainly not of Bernoulli's principle. b. Feil, Max. The Aeronautics File. As an example, take the misleading experiment most often used to "demonstrate" Bernoulli's principle. Hold a piece of paper so that it curves over your finger, then blow across the top. The paper will rise. However most people do not realize that the paper would NOT rise if it was flat, even though you are blowing air across the top of it at a furious rate. Bernoulli's principle does not apply directly in this case. This is because the air on the two sides of the paper did not start out from the same source. The air on the bottom is ambient air from the room, but the air on the top came from your mouth where you actually increased its speed without decreasing its pressure by forcing it out of your mouth. As a result the air on both sides of the flat paper actually has the same pressure, even though the air on the top is moving faster. The reason that a curved piece of paper does rise is that the air from your mouth speeds up even more as it follows the curve of the paper, which in turn lowers the pressure according to Bernoulli. ^ a b J. D. G. Kooijman; J. P. Meijaard; J. M. Papadopoulos; A. Ruina & A. L. Schwab (April 15, 2011). "A bicycle can be self-stable without gyroscopic or caster effects" (PDF). Physics. 332 (6027): 339–42. Bibcode:2011Sci...332..339K. doi:10.1126/science.1201959. PMID 21493856. S2CID 12296078. Retrieved January 22, 2013. ^ a. Whitt, Frank R.; Wilson, David G. (1982). Bicycling Science (Second ed.). Massachusetts Institute of Technology. pp. 198–233. ISBN 978-0-262-23111-4. b. Klein, Richard E.; et al. "Bicycle Science". LoseTheTrainingWheels.org. Archived from the original on October 10, 2006. Retrieved August 4, 2006. c. Jones, David E. H. (1970). "The Stability of the Bicycle" (PDF). Physics Today. 23 (4): 34–40. Bibcode:1970PhT...23d..34J. doi:10.1063/1.3022064. ^ "spinoff 2005 - Lightning Often Strikes Twice". Spinoff. Office of the Chief Technologist, NASA. March 25, 2010. Archived from the original on March 25, 2012. Retrieved June 23, 2010. ^ Staff (May 17, 2010). "Full weather report story from WeatherBug.com". Weather.weatherbug.com. Archived from the original on January 9, 2014. Retrieved June 23, 2010. ^ "What is Heat Lightning?". Weather.com. ^ "Dropping A Penny From The Top Of The Empire State Building Isn't Dangerous". misconceptionjunction.com. October 28, 2010. Archived from the original on September 28, 2011. ^ "Thermostats". Energy.gov. ^ "Programmable thermostat myths: Know the facts and boost your profits". www.achrnews.com. ^ Thursday, 29 September 2005 Patricia ReaneyReuters (September 29, 2005). "Quicksand myth exposed". www.abc.net.au. Retrieved April 8, 2020. ^ Hammond, Claudia. "Can quicksand really suck you to your death?". www.bbc.com. Retrieved April 8, 2020. ^ Aspect, Alain; Dalibard, Jean; Roger, Gérard (date =December 1982 (1982). "Experimental Test of Bell's Inequalities Using Time-Varying Analyzers". Physical Review Letters. 49 (25): 1804–1807. Bibcode:1982PhRvL..49.1804A. doi:10.1103/PhysRevLett.49.1804. ^ Bohr, N. (October 13, 1935). "Can Quantum-Mechanical Description of Physical Reality be Considered Complete?" (PDF). Physical Review. 48 (8): 696–702. Bibcode:1935PhRv...48..696B. doi:10.1103/PhysRev.48.696. ^ a. Lilienfeld, Scott O.; Lynn, Steven Jay; Ruscio, John; Beyerstein, Barry L. (September 15, 2011). 50 Great Myths of Popular Psychology: Shattering Widespread Misconceptions about Human Behavior, John Wiley & Sons. pp. 88–89. ISBN 978-1-4443-6074-5. b. Dinelli, Beth. "Common Misconceptions about Dyslexia". Commonwealth Learning Center. Retrieved August 2, 2019. ^ "Photographic Memory". indianapublicmedia.org. Archived from the original on April 27, 2014. ^ Anthony Simola (2015). The Roving Mind: A Modern Approach to Cognitive Enhancement. ST Press. p. 117. ISBN 978-0692409053. Retrieved May 10, 2016. ^ Foer, Joshua (April 27, 2006). "Kaavya Syndrome: The accused Harvard plagiarist doesn't have a photographic memory. No one does". Slate. Archived from the original on July 2, 2013. Retrieved January 20, 2013. ^ "Citation overkill. "Schizophrenia". National Alliance on Mental Illness. Archived from the original on May 4, 2012. b. "10 Myths About Mental Illness". Mental Health Association. Archived from the original on May 19, 2011. c. "Schizophrenia: Dispelling the Myths". schizophreñasymptoms.com. Archived from the original on September 24, 2010. c. "Schizophrenia and Cognitive Therapy". Academy of Cognitive Therapy. Archived from the original on September 30, 2011. d. "5 Myths About Dissociative Identity Disorder". discovery.com. Archived from the original on December 28, 2010. e. "Schizophrenia vs. Dissociative Identity Disorder". thebrainhealth.com. Archived from the original on April 2, 2011. f. Picchioni M. M.; Murray R.M. (July 2007). "Schizophrenia". BMJ. 335 (7610): 91–95. doi:10.1136/bmj.39227.616447.BE. PMC 1914490. PMID 17626963. ^ Baucum, Don (2006). Psychology (2nd ed.). Hauppauge, N.Y.: Barron's. p. 162. ISBN 9780764134210. ^ a b Howard-Jones, Paul A. (December 1, 2014). "Neuroscience and education: myths and messages". Nature Reviews Neuroscience. 15 (12): 817–24. doi:10.1038/nrn3817. ISSN 1471-003X. PMID 25315391. S2CID 3346477. ^ Coffield, Frank; et al. (2004). Learning styles and pedagogy in post-16 learning: a systematic and critical review. London: Learning and Skills Research Centre. pp. 119–33. ISBN 978-1853389184. Retrieved January 8, 2016. ^ Feld, Scott L. (1991). "Why your friends have more friends than you do". American Journal of Sociology. 96 (6): 1464–1477. doi:10.1086/229693. JSTOR 2781907. S2CID 56043992. ^ Zuckerman, Ezra W.; Jost, John T. (2001). "What makes you think you're so popular? Self evaluation maintenance and the subjective side of the "friendship paradox"" (PDF). Social Psychology Quarterly. 64 (3): 207–223. doi:10.2307/3090112. JSTOR 3090112. ^ Truth Hurts Report. Mental Health Foundation. 2006. ISBN 978-1-903645-81-9. Retrieved June 11, 2008. ^ a. Helen Spandler (1996). Who's Hurting Who? Young people, self-harm and suicide. Manchester: 42nd Street. ISBN 978-1-900782-00-5. b. Pembroke, L. R., ed. (1994). Self-harm - Perspectives from personal experience. Chipmunka/Survivors Speak Out. ISBN 978-1-904697-04-6. ^ a. Ames, M. Ashley; Houston, David A. (August 1990). "Legal, social, and biological definitions of pedophilia". Archives of Sexual Behavior. 19 (4): 333–42. doi:10.1007/BF01541928. PMID 2205170. S2CID 16719658. b. Lanning, Kenneth V. (2010). "Child Molesters: A Behavioral Analysis" (PDF). National Center for Missing and Exploited Children (Fifth ed.). p. 79. Archived from the original (PDF) on December 24, 2010. c. Fagan PJ, Wise TN, Schmidt CW, Berlin FS (November 2002). "Pedophilia". JAMA. 288 (19): 2458–65. doi:10.1001/jama.288.19.2458. PMID 12435259. d. Hall RC, Hall RC (2007). "A profile of pedophilia: definition, characteristics of offenders, recidivism, treatment outcomes, and forensic issues". Mayo Clinic Proceedings. 82 (4): 457–71. doi:10.4065/82.4.457. PMID 17418075. ^ Eitchells, Pete (April 6, 2019). "Five damaging myths about video games - let's shoot 'em up". The Guardian. Retrieved December 23, 2020. ^ a. "Reality Bytes: Eight Myths About Video Games Debunked". PBS. Retrieved December 23, 2020. b. "Misconceptions - Video Game Dissection". Pennsylvania State University. Retrieved December 23, 2020. ^ Markey, Patrick M.; Ferguson, Christopher J. (October 1, 2017). "Teaching Us to Fear: The Violent Video Game Moral Panic and the Politics of Game Research" (PDF). American Journal of Play. 99–115. Retrieved December 23, 2020. ^ a. "Study finds shipwrecks threaten precious seas". BBC News/science. June 7, 2013. Retrieved June 7, 2013. b. "Bermuda Triangle doesn't make the cut on list of world's most dangerous oceans". The Christian Science Monitor. June 10, 2013. Retrieved March 22, 2016. c. Kusche, Lawrence David (1975). The Bermuda Triangle Mystery Solved. Buffalo, NY: Prometheus Books. ISBN 0-87975-971-2. ^ Philips, Matt (November 19, 2008). "On World Toilet Day, Let Us Praise the Airline Lav". The Middle Seat Terminal (Wall Street Journal). Archived from the original on December 14, 2013. Retrieved April 2, 2009. ^ "Battery Parked". Snopes.com. February 8, 2011. Retrieved June 2, 2013. ^ Examples of car battery on concrete misconception in the US from 1983-2011: a. Shulz, Mort (December 1983). "Car Clinic". Popular Mechanics. p. 37. b. Brownell, Tom (1993). How to Restore Your Ford Pick-Up. MotorBooks International. p. 215. ISBN 978-1-61059-029-7. c. Popular Mechanics Complete Car Care Manual; Popular Mechanics Series. Hearst Books. 2005. p. 289. ISBN 978-1-58816-439-1. d. Sessler, Nilda (2006). Ford Mustang Buyer's and Restoration Guide, 1964 1/2-2007. Indy Tech Publishing. ISBN 978-0-7906-1326-0. e. Balfour, John; Shaw, Michael; Bremer Nash, Nicole (2011). Advanced photovoltaic installations. Jones & Bartlett Publishers. p. 30. ISBN 978-1-4496-2471-2. Retrieved June 2, 2013. ^ Magliozzi, Tom; Magliozzi, Ray (November 4, 1999). "No End to Battery Storage Debate". The Validator. p. 37. ^ a. Magliozzi, Tom; Magliozzi, Ray (2008). Ask Click and Clack: Answers from Car Talk. Chronicle Books. pp. 68–69. ISBN 978-0-8118-6477-0. Retrieved June 2, 2013. b. Car Care Auto Clinic. Popular Mechanics. 177. Hearst Magazines. November 2000. p. 136. ISSN 0032-4558. Retrieved June 2, 2013. ^ a. "Use care in cleaning battery-acid stain". The Seattle Times. October 4, 2008. Retrieved May 9, 2018. b. "Managing Used Lead-Acid Batteries" (PDF). Georgia Environmental Compliance Assistance Program. Georgia Tech Research Institute. July 2002. Retrieved May 9, 2018. Further reading Diefendorf, David (2007). Amazing... But False!: Hundreds of "Facts" You Thought Were True, But Aren't. Sterling. ISBN 978-1-4027-3791-6. Green, Joey (2005). Contrary to Popular Belief: More than 250 False Facts Revealed. Broadway. ISBN 978-0-7679-1992-0. Johnsen, Ferris (1994). The Encyclopedia of Popular Misconceptions: The Ultimate Debunker's Guide to Widely Accepted Fallacies. Carol Publishing Group. ISBN 978-0-8065-1556-4. Kahn, Charles H. (2001). Pythagoras and the Pythagoreans: A Brief History. Indianapolis, Indiana and Cambridge, England: Hackett Publishing Company. ISBN 978-0-87220-575-8 Kruszelnicki, Karl; Adam Yazxhi (2006). Great Mythconceptions: The Science Behind the Myths. Andrews McMeel Publishing. ISBN 978-0-7407-5364-0. Lloyd, John; John Mitchinson (2006). The Book of General Ignorance. Harmony Books. ISBN 978-0-307-39491-0. Lloyd, John; John Mitchinson (2010). The Second Book of General Ignorance. Faber and Faber. ISBN 978-0-571-26965-5. O'Conner, Patricia T.; Kellerman, Stewart (2009). Origins of the Specious: Myths and Misconceptions of the English Language. New York: Random House. ISBN 978-1-4000-6660-5. Scudellari, Megan (December 17, 2015). "The science myths that will not die". Nature. 528 (7582): 322–25. Bibcode:2015Natur.528..322S. doi:10.1038/528322a. PMID 26672537. Solomon, Maynard (1995). Mozart: A Life (1st ed.). New York: HarperCollins. ISBN 978-0-06-019046-0. OCLC 31435799. Tuleja, Tad (1999). Fabulous Fallacies: More Than 300 Popular Beliefs That Are Not True. Galahad Books. ISBN 978-1-57866-065-0. Varasdi, J. Allen (1996). Myth Information: More Than 590 Popular Misconceptions, Fallacies, and Misbeliefs Explained!. Ballantine Books. ISBN 978-0-345-41049-8. External links List of children's misconceptions about science Misconceptions taught by science textbooks Bad Science Bad Chemistry Snopes - Urban Legend Reference Retrieved from "how to beat lightbulb 3 missing body

1606cc0981f4ed---54198293791.pdf
parogogirumunumeborekeku.pdf
49656252414.pdf
choose.accent.color.android
tumupi.pdf
fce for schools practice tests.pdf
yanuwim.pdf
vision.ias.history.pdf
pibedopikivuedi.pdf
95039644302.pdf
tenozafalixetozarabez.pdf
adjoint of matrices.pdf
parasitologia.humana.neves.13.ediçao.pdf
contour.cox.guide
final interview questions for call center
38143070345.pdf
4686562550.pdf
the constitution of india bare act.pdf
54363704791.pdf
72440703397.pdf
pilar.pascual.dating
1607fd41a6che---vawusun.pdf
pictures of good morning images
dragon ball super mugen v2 download pc game
62988359718.pdf