**Genomic studies of this phenomenon by Erickson et al. in 2010 found that a G/A polymorphism on chromosome 1 was correlated with it; AA individuals were most likely to be able to identify it. The 1956 study of Allison and McWhirter compared parents and offspring to determine the role that “excretors” and “non-excretors” had in producing this phenomenon. The first scientific study on this phenomenon, which has been followed by at least 16 others, was undertaken in 1891 by M. Nencki, who linked it to sulfur-containing compounds. Dr.** Juvenal Urbino requests produce that is out of season because he appreciates this phenomenon. It is an open question whether differing perceptions of this phenomenon are a result of different metabolisms between people or different olfactory abilities. For 10 points, name this phenomenon caused by eating a green vegetable rich in asparagusic acid.

ANSWER: **asparagus urine** [accept any answer indicating **funny smell of pee after eating asparagus**]

**The initial paper describing this effect consists of a single word and a question mark; Firth responded to that paper with a paper titled for a comparative rather than positive adjective. In 2013 the scientific underpinnings of this effect were proven by a team led by Xi Zhang at the Nanyang Technological University in Singapore. The discoverer of this phenomenon, who co-authored with Denis Osborne a 1969 paper called** “Cool?,” has the first name Erasto. The researchers who explained this effect theorized that covalent bonds are compactified by the stretching of hydrogen bonds, thus reducing stored energy and explaining this phenomenon. This is surely the most important scientific result discovered in ice cream at a cooking class and named for a Tanzanian man. For 10 points, name this effect in which hot water freezes faster than cold.

ANSWER: **Mpemba** effect [prompt on “hot water freezing before cold water” before mentioned]

**At shorter ranges, this phenomenon may be partly explained by the Coanda effect, although the fact that it occurs regardless of temperature suggests that multiple fluid dynamics effects are at work. The 2001 Ig Nobel in physics went to David Schmidt of the University of Massachusetts for offering a partial explanation of this effect based on the “horizontal vertex” theory; as the *New York Times* explained, Schmidt essentially found that it was caused by the creation of a mini-hurricane. Rival camps attribute this phenomenon to the effects of buoyancy or** Bernoulli’s principle. For 10 points, name this annoying effect in which a wet, plasticky thing is blown inward, thus invading your free space while you’re trying to cleanse yourself in a standing position.

ANSWER: **shower-curtain** effect [accept any equivalent of **shower curtain blowing inward**]