

Abstract Submitted
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Open and Solved Elementary Questions in Astronomy FLO-
RENTIN SMARANDACHE, University of New Mexico — Some school scientific
problems are posed: 1) Let's consider a tunnel getting from one side to the other
of a planet and passing through the planet center. An object is dropped into the
tunnel. Is the object oscillating about the center as a pendulum? What happens if
the tunnel gets from a side to another side of the planet but doesn't pass through
the planet center, would the midpoint of the tunnel play a similar role as the planet
center? How will Coriolis force influence this? 2) Is it possible to accelerate a photon
(or another particle traveling at, let's say, $0.999c$) and thus to get a speed greater
than c ?

Florentin Smarandache
University of New Mexico

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