

Re: A few silly questions

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- *From:* "Wayne Dobson" <nospam@xxxxxxxxxxxxxx>
 - *Date:* Fri, 09 Feb 2007 19:56:24 GMT
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"Sam Wormley" <swormley1@xxxxxxxxxx> wrote in message
[news:HTOyh.337433\\$FQ1.265630@xxxxxxxxxxxxxx](news:HTOyh.337433$FQ1.265630@xxxxxxxxxxxxxx)

Wayne Dobson wrote:

Hello folks,

I'm engaging in discussion with someone and have found myself going
around

in circles, so I'd appreciate some help with a few mundane questions:

Can velocity change without time?

Velocity is defined as the derivative of position with respect to time.
<http://scienceworld.wolfram.com/physics/Velocity.html>

Can acceleration take place without time?

Acceleration is *defined* as the derivative of position with respect
to time.
<http://scienceworld.wolfram.com/physics/Acceleration.html>

Is there such a thing as instant acceleration?

Acceleration at any point in time has a value.

Can momentum change without time?

Conservation of Momentum
<http://scienceworld.wolfram.com/physics/ConservationofMomentum.html>

Re: A few silly questions

Can anything change without time?

No

Is this statement true: "But when no distance is covered against or with
the
force, no work is done and energy is neither stored nor expended."?

Work

<http://scienceworld.wolfram.com/physics/Work.html>

Thanks for the links. By the way, I'm not just asking these questions because I'm too lazy to do any study, but that without any outside input, I get the feeling that the person I'm arguing with feels at liberty to call anything I say, wrong, regardless of its merits.

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AKA "Dobbie The House Elf"

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