

Re: Agh.. Buoyancy?

Source: <http://sci.tech-archive.net/Archive/sci.physics/2005-07/msg01125.html>

- *From:* "Zigoteau" <zigoteau@xxxxxxxxx>
 - *Date:* 13 Jul 2005 09:15:22 -0700
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Hi, Izzy,

> Well, my physics teacher from last year didn't cover Buoyancy very well. I
> barely remember any of it

How much of it is there to forget?

– and need to know it for the summer packet and
> next year. I plan on digging out my notes tomorrow, but with how disjointed
> my current memory of it is, I don't think it will have all I need.
>
> Does anyone know any –good– websites for fluids, pressure, and buoyancy?
> Ones that, hopefully, will include examples and problems to try? I've tried
> with Google, but I can't find them (if they even exist).

Basically:

1. Buoyancy forces are due to the pressure of water which increases with depth
2. The total force exerted on any arbitrary surface is exactly equal to the weight of that surface filled with water up to the brim

Hence if something has density > 1 it sinks; if the density is less than 1 it floats.

What does your poor teacher have to do to get you to learn that – bring you flowers? breakfast in bed? grovel?

Cheers,

Zigoteau.

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- *Follow-Ups:*

- ◆ *Re: Agh.. Buoyancy?*

- ◆ *From:* Izkata

- *References:*

- ◆ *Agh.. Buoyancy?*

- ◆ *From:* Izkata

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