





Aug 30-8:48 AM



## What have we learned?

That two objects can have the same volume, but they can each have a different mass.

**Objects could also have different volumes, and the same mass.** 

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Water has a density of 1 g/ml. Substances with a lower density then 1 g/ml will float on water. Substances with a higher density then 1 g/ml will sink.

What does that tell you about the density of an icecube?





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# Your turn!

Remember to use the triangle (cover what you are looking for)



# Don't forget your units!



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If a sponge has a density of 1.5 g/ml, what is it's mass?







### Sep 4-2:33 PM





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### Solids

The particles in a solid are very close to each other because they are bound by strong forces of attraction.

### Liquids

The particles are also close together but the forces which bound them are weaker than those in solids.

### Gases

The particles in a gas are very far apart, they are not bound by forces of attraction.



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Different substances have different properties.		
Size and shape can help us to tell the difference between different objects		
Size and shape however are examples non-characteristic properties.		
A characteristic property helps us to identify a pure substance or the group it belongs to.		
Characteristic Properties		
- Melting Point	- What temperature will a solid become a liquid? Or	
	will a liquid become a solid?	
- Boiling Point	- What temperature will a liquid become a gas? Or	
	will a gas become a liquid?	
- Density	- What is the mass per unit of volume?	
- Solubility	- What is the maximum amount of solute that can be	
	dissolved in a given volume of solvent.	
http://www.bbc.co.uk/bitesize/ks3/science/chemical_material_behaviour/particle_model/activity/		

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Speaking of particles and the bonds that hold them together...

Have you ever wondered what happens to things like water in space where there is no gravity?



https://www.youtube.com/watch?v=IMtXfwk7PXg

### Sep 13-10:49 AM



Sep 16-10:45 AM

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<b>Density Review</b>	Keyword/	
You need to be able to:	Density .	
<ul> <li>find the density of a substance</li> <li>find the volume of a substance</li> <li>find the mass of a substance</li> </ul>	A Contraction	
- convert units if needed		
- find the volume by using water c	lisplacement	
- put items in order of their densit densities sink)	y (lower densities float, higher	
$^{st}$ and also do all of the steps as you've been shown in class $^{st}$		

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