8.2 Density and Buoyancy

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Across

5.	If the density of a substance is less than the
	density of the fluid into which it is place then the
	substance will
6.	states that the buoyant force on an

object is equal to the weight of the fluid displaced by the object.

- 10. The _____ state of a substance is usually denser than its liquid state.
- 11. One _____ is approximately equal to the force you would exert to hold up a baseball.
- 12. As a substance warms up its _____ increases as its density decreases.
- 13. A ____ is a push or pull that acts on an object.
- 15. _____ is the ratio of mass to volume.
- 16. The upward force exerted by a fluid is called the

Down

- The unit for measuring the density of _____ is usually grams per millilitre.
 As a substance warms up the particles move ____ and farther apart.
 A ship's ____ shows how heavily it can be safely loaded in different water conditions.
 Particles in a substance move more quickly when ____ is added.
 ___ and the buoyant force act on an object in a fluid.
 A ____ is a device used to measure the density of a liquid.
 A substance generally has a greater density in its solid state than in its liquid state or gas state. One exception to this rule is ____.
- 10. If the density of a substance is greater than the density of the fluid into which it is placed then the substance will
- 14. The liquid state is denser than the _____ state.