

BUOYANCY AND AND FLOATATION

What is **Buoyancy** ?

When a body is immersed in fluid ,an upward force is exerted on the by the fluid on the bode which is equal to the weight of the fluid displaced by the body .It is called **buoyancy**.

What is the difference of Buoyancy and Flotation?

Buoyancy is the resultant **between** the net force exerted by the fluid on the object (the **buoyant** force) and the weight of the object. If the resultant is upwards, the object will **float**. ... If the resultant is downwards, the object will sink.

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What is the law of Flotation?

The **Law of Flotation** says that for a floating object, the weight of the object equals the weight of the liquid displaced by the object.

What is Archimedes Principle Formula?

Archimedes' principle states , “Whether a body is immersed wholly or partially in a fluid, it is buoyed up(Lifted up) by a force equal to the weight of the fluid displaced by the body.”