

Physics 1114 - General Physics I

Quiz #30 - 2012.11.07

Solutions

1. State Pascal's Law.

Pressure applied to an enclosed fluid is transmitted undiminished to every portion of the fluid and the walls of the containing vessel. The pressure depends only on depth; the shape of the container does not matter.

2. State Archimedes's Principle.

When an object is completely or partially immersed in a fluid, the fluid exerts an upward force on the object equal to the weight of the fluid that is displaced by the object.