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COMPUTER SCIENCE

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Course of Study

1. When a body is completely or partially immersed in a fluid it experiences two forces namely its

upward force (buoyancy) and downward force (weight)

2. In laminar flow, the velocity of the fluid layers at the centre of the pipe is maximum compared with the one at the wall that is zero. **True or False** TRUE

3. The region where the stretching material undergo a permanent change in shape is called plastic region

4. The hydraulic Lift is a class of machine called Lever

5. A steel rod increases its length by 5 mm when the temperature increases by 10 °C. What is initial length of the rod if the coefficient of linear expansion for steel is 1.1×10^{-5} per °C? 2.2×10^{-2} m

6. The melting point of gold is 1064 °C and the boiling point is 2660 °C. Express the temperatures in (a) Kelvin 2733K and (b) Fahrenheit for the ice point. 32°F

7. The heat absorbed or released during a phase change at a fixed temperature is called latent heat

8. Radiation is the means through which heat can be transmitted without actual physical contact.

9. When work is done on the internal energy of the system increases, **True or False** TRUE

10. The molecules of gases in the kinetic theory model assumption make elastic collisions with the walls of the container, **True or False** TRUE