

# Worksheet of class -9

## Physics

### Chapter-v

1. What is pressure?
2. What is pascal?
3. Explain pressure depends on area through which force is applied.
4. Determine the pressure of liquid at depth  $h$ .
5. Explain the density?
6. What is buoyancy?
7. Suppose a cylinder is immersed in some liquid, determine the buoyancy.
8. Let us assume your mass is 50 kg, area of one side of your body is  $0.5 \text{ m}^2$  and bottom area of your two legs is  $0.03 \text{ m}^2$ . What pressure will you apply on the floor when lying down while standing?
9. Density of Dead sea water of Jordan is 1.24 kg/liter. What is the volume of 1kg water?
10. Let's suppose the weight of gold crown of Archimedes is 10 kg in air and 9.4 kg when immersed in water. What is the density of the crown?

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