

## Determination of density of an irregular solid, Density of a liquid, density bottle. CLASS-VIIIC(RANK UP)

SUBJECT : PHYSICS CHAPTER NUMBER: 2 CHAPTER NAME : PHYSICAL QUANTITIES AND MEASUREMENT

CHANGING YOUR TOMORROW

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## **Home Assignment**

- 1. The density of alcohol is 600 kg/m-3. Express it in g cm-3.
- 2. A piece of wood of mass 150 g has a volume of 200 cm<sup>3</sup>. Find the density of wood in (a) C.GS unit, (b) S.I. unit
- 3. Calculate the density of solid from the following data:

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(a) Mass of solid (M) = 72g
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(b) Initial volume of water in measuring cylinder = 24 ml

(c) Final volume of water when solid is completely immersed in water 42 ml.

- 4. How does the density of a liquid (or gas) vary with temperature?
- 5. What is a density bottle? How is it used to find the density of a liquid?



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