

LITTLE STAR HIGH SCHOOL
BALLY, HOWRAH

CLASS - VII (A and B)

DATE - 11.04.2020

SUBJECT - PHYSICS

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ch-1 (Physical Quantities and Measurement) 3rd question.

1. Fill in the blanks

- The lightness or the heaviness of an object is directly related to its _____.
- A heavy object has _____ mass than a light object for the same volume.
- More mass packed in a given volume means _____ density.
- Substances that have _____ density are heavier and substances that have _____ density are lighter.
- Density is symbolically expressed by the Greek letter _____, pronounced as _____.
- The SI unit of density is _____ and the CGS unit of density is _____.
- $1 \text{ g/cm}^3 = \text{_____ kg/m}^3$.
- Density of water at 4°C is _____ kg/m^3 or _____ g/cm^3 .
- Another term used for relative density is _____.
- The SI unit of speed is _____.

2. Answer the following questions.

- How will you measure the volume of an irregular solid which floats on water?
- Prove that equal masses of different substances occupy different volumes.
- Prove that equal volumes of different substances have different masses.
- What is density? Express it mathematically.
- What do you mean by the density of _____?

How will you determine the density of an irregular solid?

What do you mean by relative density of a substance? How does it help us?

What do you mean by speed of a moving body? Express it mathematically.

A rectangular piece of ~~wood~~ wood measures

4 cm, by 6 cm by 8 cm and has a mass of 20 g.

What is the density of the piece of wood?

Calculate the speed of an object if it

covers 200 metres in 50 seconds.

ch-1 (Physical Quantities and Measurement) 3rd question.

1. Fill in the blanks

- (a) The lightness or the heaviness of an object is directly related to its _____.
- (b) A heavy object has _____ mass than a light object for the same volume.
- (c) More mass packed in a given volume means _____ density.
- (d) Substances that have _____ density are heavier and substances that have _____ density are lighter.
- (e) Density is symbolically expressed by the Greek letter _____, pronounced as _____.
- (f) The SI unit of density is _____ and the CGS unit of density is _____.
- (g) $1 \text{ g/cm}^3 = \text{_____} \text{ Kg/m}^3$.
- (h) Density of water at 4°C is _____ Kg/m^3 or _____ g/cm^3 .
- (i) Another term used for relative density is _____.
- (j) The SI unit of speed is _____.

2. Answer the following questions.

- (i) How will you measure the volume of an irregular solid which floats on water?
- (ii) Prove that equal masses of different substances occupy different volumes.
- (iii) Prove that equal volumes of different substances have different masses.
- (iv) What is density? Express it mathematically.
- (v) What do you...

How will you determine the density of an irregular solid?

What do you mean by relative density of a substance? How does it help us?

What do you mean by speed of a moving object? Express it mathematically.

A rectangular piece of ~~wood~~ used measure 1 cm by 6 cm by 8 cm and has a mass of 120 g. What is the density of the piece of wood?

Calculate the speed of an object if it covers 200 metres in 50 seconds.