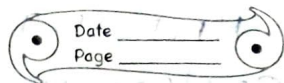


Assignment-1



1) Define the term density of a substance.

→ The density of a substance is its mass per volume.

2. Name the SI unit of density -
How it is related to g cm^{-3} ?

Ans - The gram per cubic centimetre is a unit of density in the CGS system, commonly used in chemistry, defined as mass in grams divided by the volume of a mass.

3. The density of a brass is 8.4 g cm^{-3} .
What do you mean by this statement?

Ans - This statement means one cubic centimetre of volume of brass has mass of 8.4 g cm^{-3} .

4. Arrange the following substance in order to increase their density.
ans - cork, water, iron, brass, mercury.

5. How does the density of a liquid or gas vary with temperature?
ans - When the temperature

varies the volume varies with changes with the density