# STUDENT'S WORKSHEET

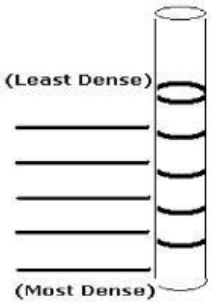
Name : Class :

Purpose : to understand the density characteristics of substances and calculate the density of a substance

Tujuan : memahami sifat massa jenis suatu zat dan menghitung massa jenis suatu zat

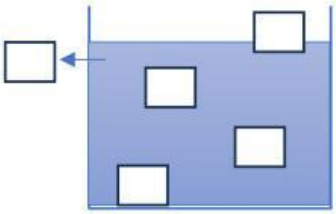
1. Look at to the table :
   Lina have various of oil. She want to know the least dense of oil compare to the water , so that she can prevent her illness and become healthier. Please arrange the oil based on the density !
   *Lina punya berbagai jenis minyak. Dia ingin mengetahui kepadatan minyak yang paling kecil dibandingkan dengan air, sehingga dia dapat mencegah penyakitnya dan menjadi lebih sehat. Silakan urutkan minyaknya berdasarkan kepadatannya*

| No | Liquid | Density |
|---|---|---|
| 1 | Sunflower oil | 450 kg/m$^3$ |
| 2 | Palm oil | 800 kg/m$^3$ |
| 3 | Olive oil | 600 kg/m$^3$ |
| 4 | Water | 1000 kg / $^3$ |
| 5. | Corn oil | 760 kg/m$^3$ |




2. Pay attention to the density table for several materials below :

| No | Liquid | Density |
|---|---|---|
| A | Zinc | 490 kg/m$^3$ |
| B | Iron | 600 kg/m$^3$ |
| C | Cobalt | 1200 kg/m$^3$ |
| D | Water | 1000 kg / $^3$ |
| E | Alumunium | 800 kg/m$^3$ |



   Nanda is testing the density of several materials using water as a medium. All objects are put into the water. Then determine the correct position of these objects according to the data in the table!
   *Nanda sedang menguji massa jenis beberapa bahan dengan menggunakan air sebagai medianya. Semua benda dimasukkan ke dalam air. Kemudian tentukan posisi yang benar dari benda-benda tersebut sesuai dengan data pada tabel!*

3. Fiora bought one apple that has mass 250 gram. She calculate the volume of the apple using measuring cylinder , and get the result 40 dm$^3$. Using the formula of density, How much density of the apple ?
   *Fiora membeli satu buah apel yang massanya 250 gram. Dia menghitung volume apel menggunakan gelas ukur, dan mendapatkan hasilnya 40 dm$^3$. Dengan menggunakan rumus massa jenis, Berapa massa jenis apel tersebut?*

   Know :

   Ask

   Formula

   Answer :

LIVEWORKSHEETS

4. Reno has a block with a mass of 2 kg, if the block is made of iron with a density of 540 kg/m$^3$. Determine the volume of Reno's block!
*Reno mempunyai sebuah balok bermassa 2 kg, jika balok tersebut terbuat dari besi dengan massa jenis 540 kg/m$^3$. Tentukan volume balok Reno!*

Know :

Ask

Formula

Answer :

LIVEWORKSHEETS