

Vocabularies :

Feather :	پر
Length :	طول
To measure :	اندازه گرفتن
Weight :	وزن
To Compare :	مقایسه کردن
Unit :	واحد - یکا
Paperclip :	گیره کاغذ
Amount :	مقدار
Balance :	ترازو
Pan :	کفه ترازو
Density :	چگالی
Vinegar :	سرکه
Seasoning :	چاشنی - ادویه
To Float :	شناور شدن
Cork :	چوب پنبه

Review questions:**1- What is the difference between mass and weight of an object ?**

Mass is the amount of matter in an object . The measuring unit of mass can be gram , kilogram or milligram.

Weight is the gravity force acting on an object . The measuring unit of weight is Newton.

Example : If the mass of an object is 25 kilogram then the weight of this object is :

$$25 \times 10 = 250 \text{ N}$$

2- What metric units are used to measure mass?

The gram is the basic unit for measuring mass.

A milligram is 0.001 of a gram . it is used in small amounts such as vitamins and medicines .

A kilogram is equal to 1000 grams. It is useful in measuring the mass of large objects.

3- What is density ?

Density is how much mass is in a certain volume of matter.

4- What happens if you mix 100 ml of oil with 100 ml of water ? why ?

The two liquids do not have the same mass. Water is denser than oil. So oil and water separates . water has more mass than oil . so the water sinks to the bottom of the glass. The oil floats on top of the water. The density of the water is greater than the density of the oil.