Q. Define surface area.

Ans- The total amount of surface at pt occupied by an object is called its surface area or simply the area.

Q. Explain units of area.

Ans- The S.I. unit of met area is square metre, the symbol of square metre is m^2. The larger units of area are de decametre square (are), hectare and square kilometre metre

~~1 dri dam² = 100×100~~   1 decametre² = ~~100×100~~
       ~~= 10000 m^2~~   ~~= 10,000 m^2~~ 100 m^2

1 hectare = ~~1000×1000~~   100×100
     ~~= 1,00,000 m^2~~ = 10,000 m^2

1 square kilometre = 1000×1000
               = 10,00,000 or 10^6 m^2

The smaller units of area are square decimetre, square centimetre and square millimetre-

$1 dm^2 = 10^{-2} m^2$ or $100 cm^2$

$1 cm^2 = 10^{-4} m^2$ or $100 mm^2$
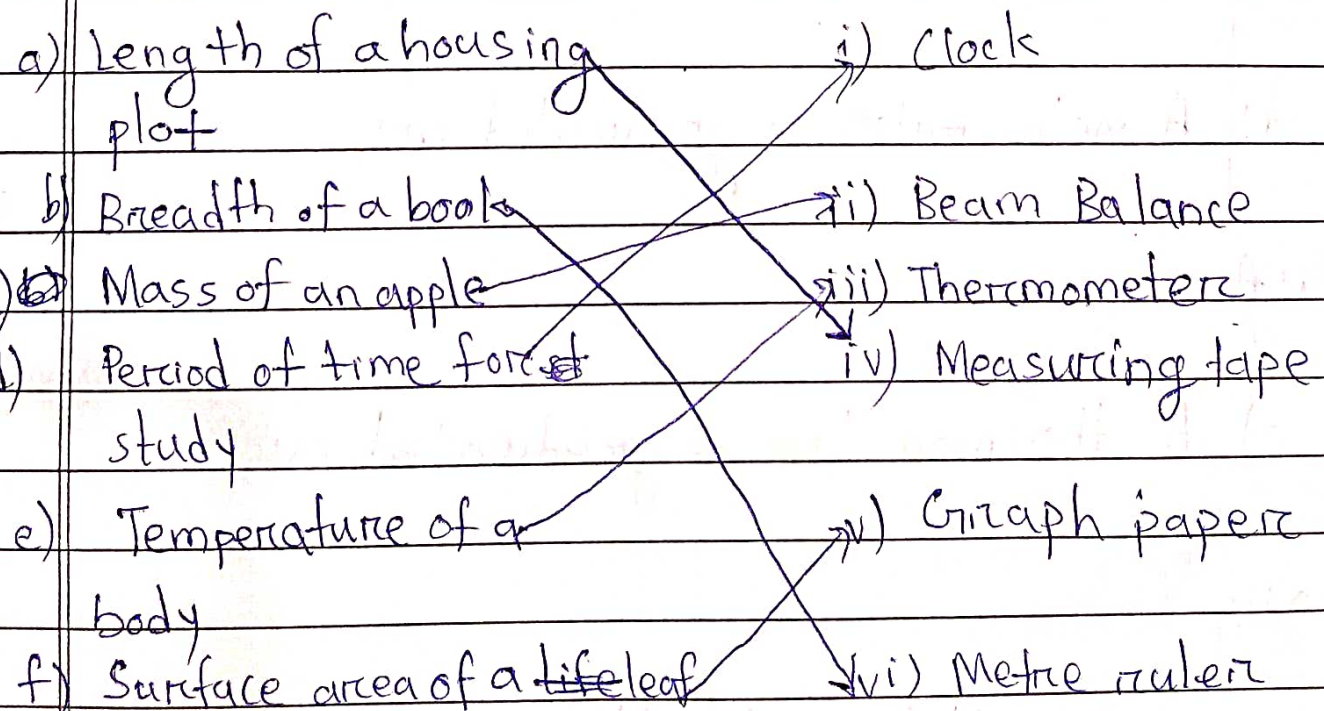
$1 mm = 10^{-6} m^2$

TEST YOURSELF

A. Objective Questions

3.

Column A	Column B
a) Length of a housing plot	i) Clock
b) Breadth of a book	ii) Beam Balance
c) Mass of an apple	iii) Thermometer
d) Period of time for study	iv) Measuring tape
e) Temperature of a body	v) Graph paper
f) Surface area of a leaf	vi) Metre ruler

4. Select the correct alternative:

a) The symbol of degree celsius is:

i) °C

b) 10mm is equal to:

ii) 1cm

c) The amount of surface occupied by an object

is called its:

iii) area

d) A metre ruler is graduated in:

iii) mm

e) A thermometer is graduated in:

vi) °C

Sanjib kumar Mahanty
17-07-2021