1. speed
2. rest
3. a&c
4. kg

5. (a) micro metre
   (b) 15 crore kilometre
6. u = 0 m/s v = 50 m/s t = 10 s
   a = (v-u) /t = (50-0) / 10 = 5 m/s^2
7.

Uniform velocity	Non uniform velocity
b, d	a, c

8. **Speed thrills but kills , Don't mix drink with drive , Better late than never,**
9. (a) Picture B
   (b) Magnitude of velocity does not change. Direction changes.
10. (a) Beaker A
    (b) The density of brine solution is grater than that of pure water
11. (a) Distance = 1100 m Displacement = 1000 m
    (b) Distance = 1000 m Displacement = 1000 m
    (c) When a body travels along a straight line in the same direction.
12. (a) Units which are expressed in terms of fundamental units or those units which are dependent on fundamental units are derived units.
    (b) Second (s) , one solar day = 24x60x60 = 86400 s
13.

A	B	C
Density	Mass/ Volume	kg/m^3
Velocity	Displacement/Time	m/s
Acceleration	Change in velocity/Time	m/s^2