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### Ans Density

- a) It is expressed as mass per unit volume  $\text{Kg/m}^3$
- b) This parameter is required for designing a solid ~~waste~~ waste management programme.
- c) A reduction in volume by 75% is achieved through normal compaction equipment

### 2) Moisture Content

- a) Values greater than 40% are also not common.
- b) Consequently waste should be insulated from rain or other extraneous water source.
- c) Various ~~D~~ using incineration energy must be supplied for evaporation of water and raising the temperature of vapour.

### 3) Lipids

- a) These are included in the class of fats, oil and grease.
- b) The principal source of lipids in the garbage are cooking oil and fats

### 4) Carbohydrates

- a) These readily biodegrade into Carbon dioxide, water and methane.
- b) These are primarily originated from the food source rich in starch and cellulose.

### 5) Proteins

- a) These are the compound containing carbons hydrogen, nitrogen and oxygen and organic acid with amino group.

### 6) Natural Fibres

- i) These are the natural product ~~and~~ contains cellulose and lignins that are relatively resistant to biodegradation.

### 7) Synthetic Organic Material

- i) In the recent years plastics have become a significant component of solid waste, accounting for 1-10%.