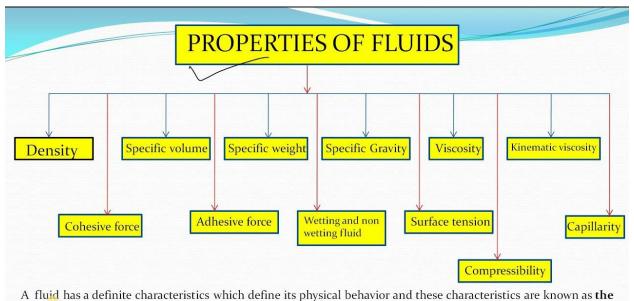
FLUID PROPERTIES Specific Gravity Specific Viscosity Vapor Pressure Specific Volume



properties of the fluids.

Each property of the fluid has its own characteristics which is used while analyzing the fluid flow problems.

1. WHAT IS FLUID?

- Fluid is a substance that is capable of flowing. It has no definite shape of its own. It assumes the shape of its container.
- Both liquids and gases are fluids.
- Examples of fluids are :
 - i. water
 - ii. milk
 - iii. kerosene
 - iv. petrol
 - v. emulsions etc.

Properties of fluid

i) **Density:** Density is defined as ratio of the mass of a liquid to its volume.

Density: mass of fluid /volume of fluid

p = m/v

ii) Specific weight: weight of liquid per unit volumew = p g

iii)Specific volume: it is defined as volume of liquid per unit mass.

Sp. Volume: volume of fluid/mass of fluid

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