

2. MECHANICAL PROPERTIES OF FLUID

Difference between Solid, Liquid, Gas

Property	Solid	Liquid	Gas
Shape	Has a definite shape	Do not have a definite shape	Do not have definite shape
Volume	Has a definite volume	Has a definite volume	Do not have definite volume
Arrangement of particles	Fixed very close	Random, close	Random, far apart
Interaction between particles	Very strong	Strong	Essentially none
Movement of particles	Very slow	Moderate	Very fast
Examples	Ice, Salt, Iron	Water, Oil, Vinegar	Water vapour, helium, air