

Class VIII

Solid

Liquid

Gas

Mass, volume & space

definite

takes the shape of the container

no shape.

Intermolecular space

least

more than solid

more than liquid

rigidity

rigid

less

least

density

maximum

less

least

Compressibility

cannot be compressed.

can be compressed more than solid

can be compressed more than liquid

diffusion

takes max. time

can diffuse easily

can diffuse faster than liquid.

Intermolecular force of attraction

maximum

less than solid

least

number of free surface.

many free surface

only one

No free surface

Kinetic Energy

minimum

more than solid

maximum.