



WBCS PRE 2023



SCIENCE

TERMINOLOGY

নতুনদের এই ভিডিওটি দেখতে হবে

BY SOUMI MAHENDRAS

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The fundamental Principle in Physics:

1. Matter can neither be destroyed nor created but it can be transformed from one state to another.
2. The smallest Unit of an element is called Atom.
3. The simplest form of matter which can retain complete physical and chemical Properties.
4. The force of attraction between similar kind of molecules is called Force of cohesion.
5. The force of attraction between different kind of molecules is called Force of adhesion.

Intermolecular literally means "between molecules".

Intermolecular space is the distance between molecules.

Intermolecular forces (IMF) are the forces which mediate interaction between molecules, including forces of attraction or repulsion which act between molecules and other types of neighboring particles.

6. Solids have a definite shape and size because of high Intermolecular forces as the Intermolecular space is very little.

7. Liquids have only definite volume but no definite shape as the Intermolecular forces are less as the Intermolecular space is large.

8. Gases have no definite shape and volume as the Intermolecular forces are negligible as the Intermolecular spaces are very large.



Stress is defined as the restoring force per Unit Area The restoring force is equal in magnitude and opposite in direction to the applied force also known as deforming force.

Surface Tension is defined as the tension of the surface film of a liquid caused by the attraction of the particles in the surface layer by the bulk of the liquid, which tends to minimize surface area.

Temperature Increases ----- Surface Tension Decreases





Viscosity is defined as the state of being thick, sticky, and semi-fluid in consistency, due to internal friction.

Temperature Increases ---- Viscosity Decreases



Q1. If a ball is thrown up which of the following doesn't change?

(a) acceleration.

(b) speed.

(c) potential energy.

(d) distance.

Ohm's law is valid in case of?

(a) Semiconductor.

(b) conductor.

(c) superconductor.

(d) Insulator.

Knot is a measure of?

(a) The speed of ship.

(b) The curvature of spherical objects.

(c) Solar radiation.

(d) Intensity of earthquake shock.

Which of the following does not have any effect on velocity of sound?

(a) Pressure.

(b) Temperature.

(c) Humidity.

(d) Density.

Energy in the foods can be measured in which unit's?

(a) Kelvin.

(b) Joule.

(c) calorie.

(d) celsius.

What is the unit of frequency?

(a) Decibel.

(b) watt.

(c) Hertz.

(d) Newton.

The substance having infinite electric resistance are called?

(a) conductor.

(b) Insulator.

(c) Resistor.

(d) Electrolyte.

Who discovered the battery?

(a) Faraday.

(b) Volta.

(C) Maxwell.

(d) Roentgen.

What is the unit of relative density?

(a) kg/m.

(b) kg/m square.

(c) kg/m cube.

(d) It has no unit.

Echo is produced due to?

(a) Reflection of sound.

(b) Refraction of sound.

(c) Resonance.

(d) None of these.



THANK YOU.