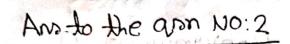
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Assignment of	
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Physics	
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an: Applications or examples of different types of waves.

1. Standing Waves

Antinode

Node

Wavelength

(u,t)

Standing wave, also Called stationary wave combination of two waves moving in opposite directions, each having the Same amplitude and frequency. The Phenomenon is the result of interfer -ence; that is, when waves were Supercimponed, their energies are either added together on carceled out in (3xb) to 1 / / / / / / / " - yesterdell . A Total فدمك المراديون والمعالم transition bankbag " L' 1 69 (1 499 9 2 1 9 The way the story TELL Steet

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## Brain Waves

BETA MA

14-30 Hz

MWW Awake, normal

Same tralle list

Wave a Compensation of

Conscioumen

ALPHA

9-13 HE

W--

Physically and mentally relaxed,

Lawake but drowny

DELTA

Below 4 HE

together or concelled

Deep (dreamless)

Steep, long of bodyly awareness

THETA

4-8 HE

Reduced Consciousn
- ens deep meditation
dreams, light sleep
REM sleep.

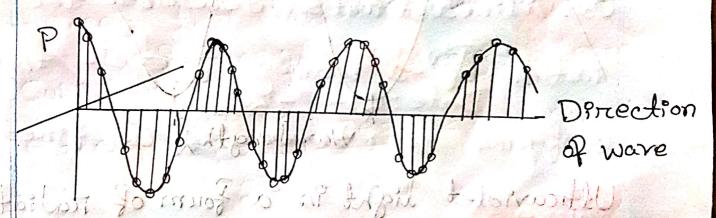
30 He and above

Heightened

Perception

## Mechanical wave

And Sinkson



Mechanical waves are waves which propared gate through a mederial medium (Solid, Jajuid, ora gas) at a wave speed which depends on the elastic and interctial properties of that medium there are two basic types of wave motion for mechanical waves: longitudinal waves and transverse

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waves.

Ultraviolet Wave

Wavelength 2.

Ultraviolet light in a form of radiation which is not visible to the human eye. It's in an invisible part of the "electromagnetic spectrum". Radiated energy, our radiation, is given off by many objects: a light bulb, a crackling fire, and stores are some

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	readiation.
	Ano to the am No! 1
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the same of the sa	2 motion.
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	$\overrightarrow{d} = \overrightarrow{d}$ $\overrightarrow{d}_{n=0}$

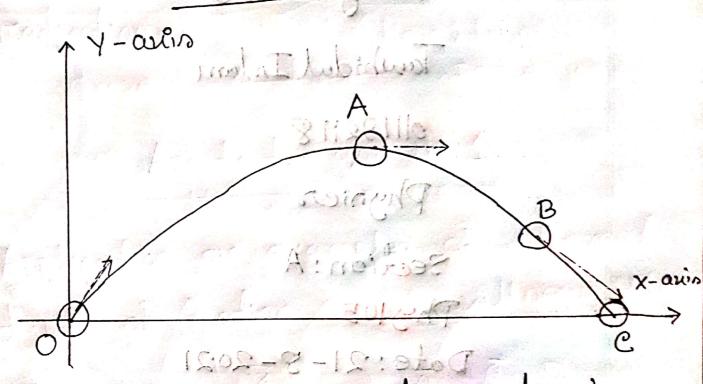
at an inflectionpoint)

CwcVillnear Motion.

कावित्र												
CHRIA	•	 • •	•	•••	•	• •	•	•	•	•	•	

The motion of an object moving in a curved poeth in called curvils -necer motion. Example: A Stone thrown and the correct at an angle. Cucvilinear motion describes the motion of a moving particle that Conforms to a known of orc fined (0=15) Autognost There Cuch Uneace + lexion

## Translational Motion



Treanslational motion in the motion by which a body shifts from one point in space to another. One example of treanslational motion in the the Motion of a bullet fixed from a gun. An object has a rectinear motion when it moves along a straight line.