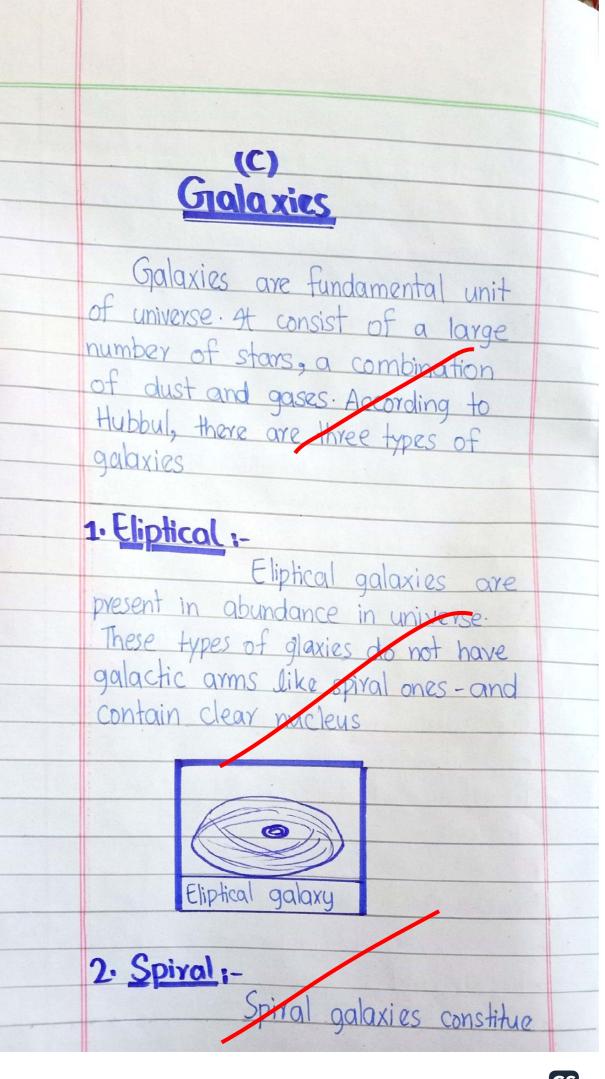
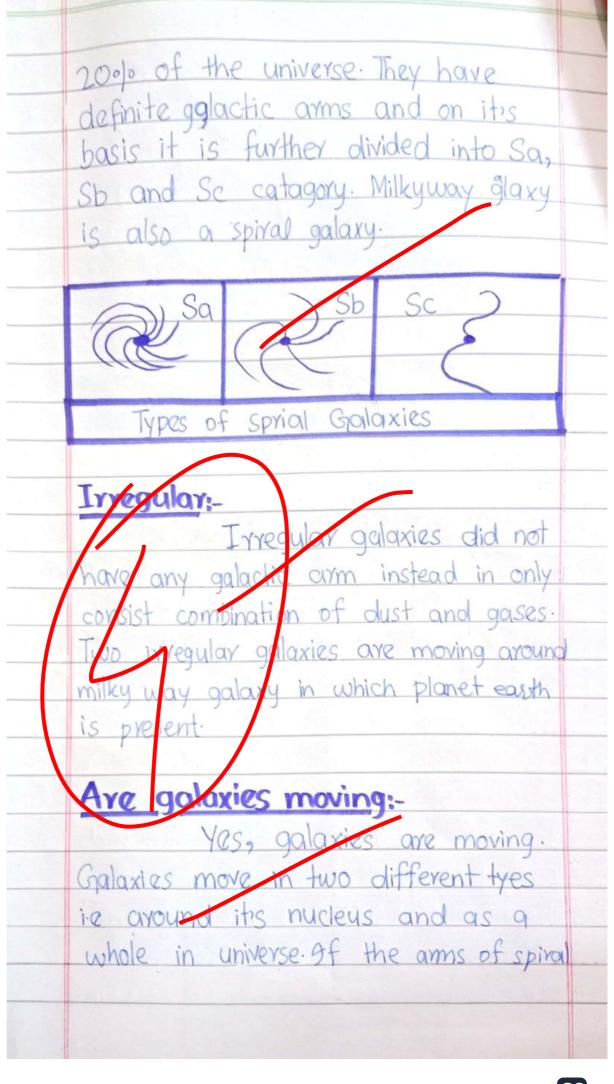


## CYTOPLASM:-Cytoplasm is thick and semi-viscous fluid of cett in which all the organelles are present gt alows the movement of organelles and help in prevention of colliding of organelle Movement of ribosomes from RER to Golgi Apparatus happened via cytoplasm. Endoplasmic Reticulum;-Endoplasmic Reticulum is the network of chamels extanding from nucleus to the wall of cell 9t has two tyes i.e Smooth endoplessmic reticulum which involves in detoxification of harmful drugs and Prough endoplasmic reticulum that have ribosomes on it which involve in synthesis of protein Golgi Apparatus: Golgi Apparatus is a sac like structure present in cytoplasm. Protein From rough endoplasmic reticulum entered in golgi appareitus



and the final product is transferred where it is required within the cell or transferred outside the cell. Mitochondria: Mitochondria is also known powerhouse of cell. 9+ is because it involve in production of ATP by vising protein. This ATP is like an energy currency through which cell or the whole body get energy Vacoule: In orimal sell, vacoule are small, scattered and more than one, while in plant cell they have one large central vacoule. It involves in storage of molecules & give rigidity to cell. Nucleus:-Nucleus is present in center of cell and is involve in the synthesis of genetic material i.e DNA.





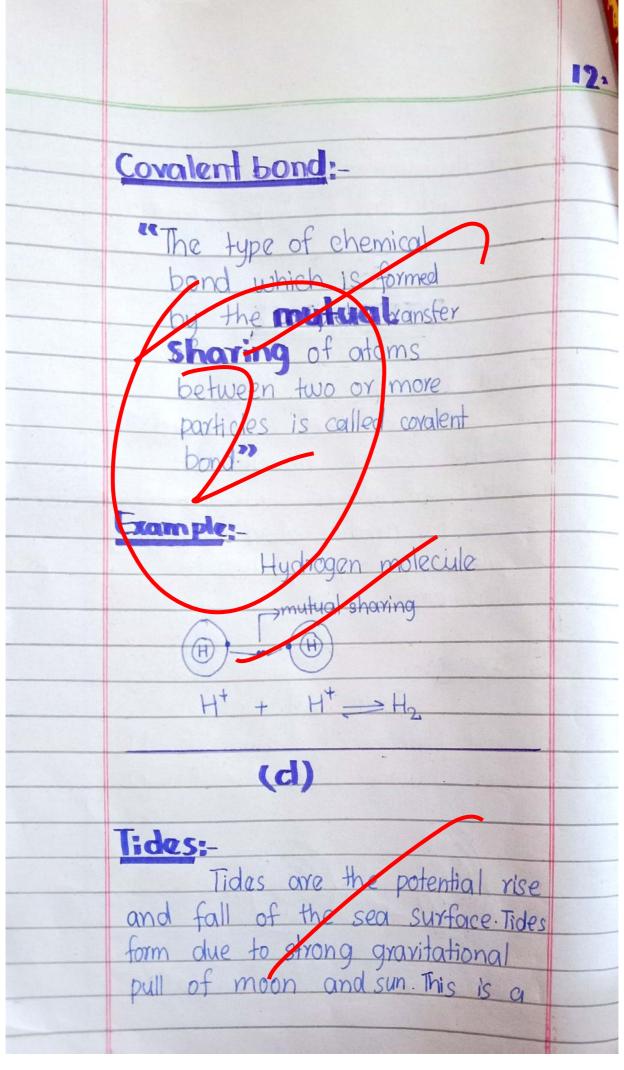
galaxies are observed it can be clearly visible that they are moving. According to the Theory of Open Universe and Hubble, galaxies are moving away from each other and it can be observed if two random galaxies are taken under consideration. (d) COMPARE EARTH SUN Sun consist of Earth consists three parts:three parts: 1. The Core 1. The Core 2. The Radiative Zone 2. The Mantle 3. The Convective Zone 3. The Crust Cove Core Core of Sun is Core of Earth the inner most consists of two parts part farming all 1. Inner care with the heat and light thickness 1200 km energy. 9t is the 2. Outer core with place where nuclear diameter of 2300 km.

of 15.6 million Kelvin and 250 billion atmospheric byessure.	
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and 250 billion kelvin atmospheric byessure	9t has a temperature of 5500°C.
atmospheric byessure.	of 5500°C.
atmospheric byessure.	
Radiative Zone	Mantle
Radiative zone	Mantle is the
s present above	second layer with
he core. Heat energy	diameter of 2900km
	Its lower part consist
	of molten nickel and
one and make in	ivon forming Magma.
he form of radiation	9tis upper part consist
	of solid nickel and
	magma.
ecrease upward	
Commence of the Commence of th	Crust
nost zone with	consist of two types
emaing 3:56 million	land crust 9t has
ter conjective zone,	a thickness of
tmosphere of sun	0 to 60 km.
started.	
	s present above the core Heat energy from the core move ipwards in radiative

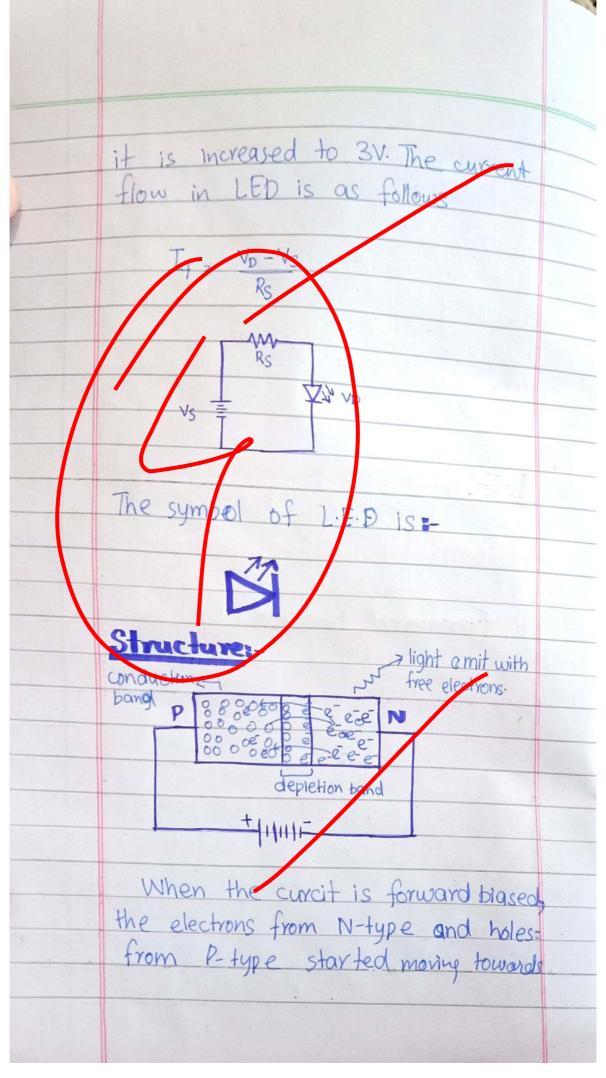
## QUESTION-5 CACTONE (CI) Cyclones are larger whirtphol that rotate around a senter of low atmospheric pressure. It can be formed by two different ways: Formation 1: Warm From rhove up in he atmosphere. look the place of warm air coming from the surrounding. This form of cyclic progess which result in heavy stroms and rainy weather. yclones are also formed by the meeting of warm air and cold air. This difference in atmospheric pressure caused the formation of clouds. Sometimes, they



align themselves with votation of Earth and last for longer period. (b) DIFFERENCE Ionic bond: Ionic bond is formed by the complete transfer of electron of valance shell from one atom to another atom. Any positively or negatively charged particle is called ion. Example: Table Salt Nacl Atomic Number of Sodium = Na = 11 Atomic Number of Chlorine = C12 Nat = Nacl



natural phenomenon which usually occurs twice in a day when warer reaches it's highest level it is couled high tide and conversely, when the water fall to its lowest level it is called low tide. The difference between high tide and low tide is called tidal range. F-E-D:-LED refers to light emitting diode. When the free electrons release energy when the curcit is forward biased, light energy emit-That's why it is called light emitting disde. 9+ is used in: calculators Traffic lights - Burgular alarms Mini Processors · Remotes 9t also contains a resistor to avoid direct flow of current when



depletion region and started forming bond: Some of the electrons from N-type cross the barrier and enter into P-type forming bout with holes and same happen in the N-type zone. The remaining free electrons transfer energy in the form of light energy and we can see a blink of light	
(C) USES Gjamma:-	
Gamma rays have the highest energy and shortest wavelength 9+ is used in:-	1.
To identify the crux of buildings and bridges  To treat the cancerous cells, tumors and in hemomal of kidney stones	
X-Rays:- Gamma rays' energy is higher than X-Rays and the	
To treat the cancerous cells, tumors and in hemomal of kidney stones  X-Rays:-	

