	///A	GSA	
1			21001
		Question (2020)	
		Briefly describe the various measures segments of atmosphere. How	
		these segments maintaing the	
	N 100 100	earth radiation Balance?	
		Answer 8-	
		Atmosphere: Earth is a gascous layer	
		Surrounding the earth in other words	
		we can say that our earth is	
		surrounded by thin layer of gases	
		Called atmospher	
		Gases like. Nitrogen 78%, oxygen 21%,	
		Carloon dioxide 0.03%, Nitrogen oxide and	
		inert gases like helium, argon, Krypton	
		and xenon constitutes 0.94%.	
		Segments of Atmosphere:-	
		There are five segments of atmospher	6
		The names of the layers in order	
		Starting from the lowest layer	
		ove.	
	(i)	Troposphere	
		Stratosphere	
		Mesosphere	14
		Thermosphere	

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P		2		
(v)	Exosphere			
100	All the names have the suffix "sphere"?			+
1	this is because each layer surround			1
	the moearthada, 2 miles de la			-
	Troposphere:			0
	It starts at earth's Surface and goes			51
	up about 12km. we dive in this layer			a
	and this is where weather happens			
	(Clouds, precipitation etc); and most			
	commercial aircraft fly in this			
	layer. The temperature and air			
	pressure goes decreases as you go			
	higher in the troposphere. The	for the		
	temperature decreses up to -53°c.			
	Tropopause is a point or region which separates the Troposphere and			
	Stratosphere			
	Stratosphere:-			H
	It starts at about 12km and goes			1
	to about sokm high. This layer contain	N		1
	the ozone layer which protects us			4
	from harmful ultraviolet radiation.		1	
	porm of heat energy. It can	7.	1000	
	form of heat energy. It can	1/1	-	
		1	1000	
				-

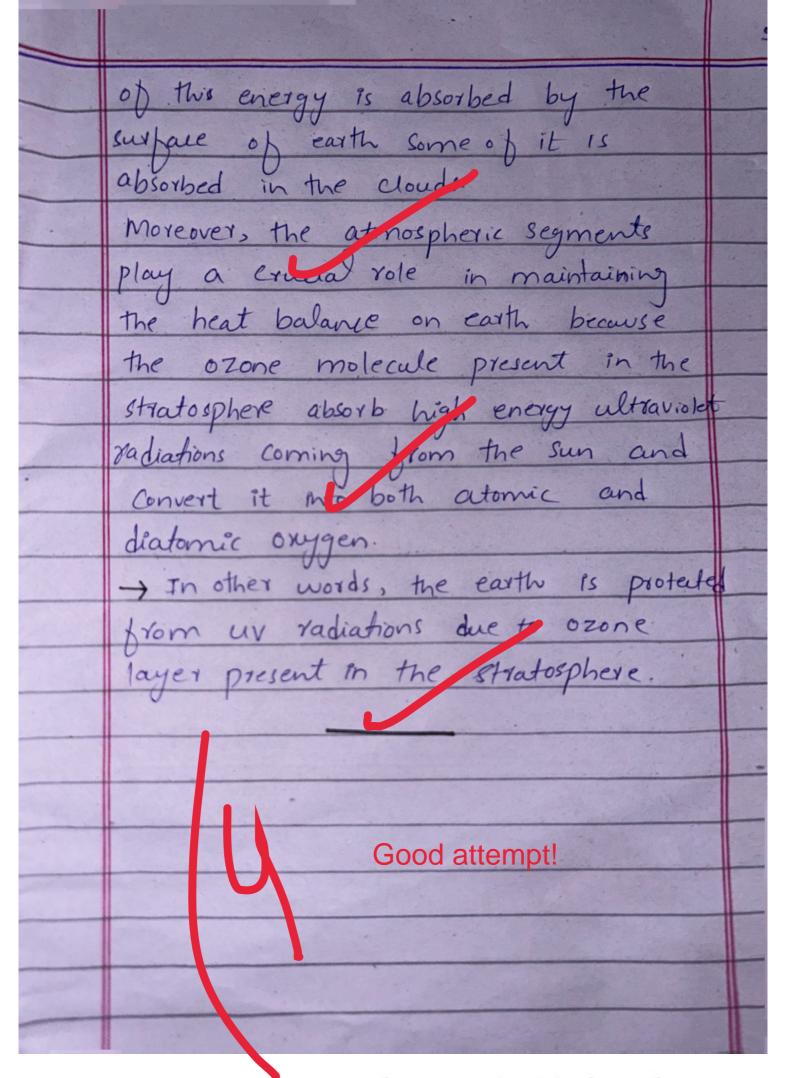
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1	2		3
		damage living beings and vaise earth's	
e37		temperature severely. Temperature	
28:		increases as you go up higher into	
37.		the stratosphere. Temperature increases	
A Serve		and comes + -03°c.	
23		strapopuse which separate the stratosphere	
ed		and mesosphere.	
4		Atmosphere	
	200	The meyes	4 2 9
100		sty sonos	
0		Ti, applicate rese	
3	€ ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) (	Earth	
		A CONTRACTOR OF THE STATE OF TH	
h		Layers of Atmosphere.	
		Edward white a state of a south	
		mesosphere:	
		It is the middle layer of the	
		atmosphere. It starts at about sokn	
hir		and goes upto Bokm high most	
		meteor burn up in this layer, and	
	THE OWNER OF THE OWNER OWNER OF THE OWNER	It is the coldest layer of the	
		atmosphere. The temperature decreases	
			PAR
		upto -93°c as it is the coldest layer	18

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Thermosphere: This layer is named for its temperature. This is the hottest layer of the atmospher It is where auroras are formed becauses the ionospher charged particles are formed. The temperature increases with height and rise upto: 2000°C. Exosphere: This is the outermost part of the atmosphere. Temperatures are very high but can change depending on location. This is where satellites cetravel. This layer blends into outer space. Balance of earth radiation
Through segments: The radiation balance of earth is the algebric sum of the incoming and outgoint components of radiation. The energy which is released as Shortwave light and UV radiation from the sun seplect back to space in a shorter portion as much

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