Climate Change (Basics and Significance) Lesson Study Guide

As you go through the corresponding slideshow, fill in the blanks of important facts about climate change and its significance!

Α.	Explanation:			
•	Climate change is a change in the average weather patterns that normally			
	define,, and climates.			
•	 What are the main human activities that cause GHG emissions? 			
	a			
	b			
	C			
	d			
	e			
B. Gre	enhouse Effect:			
•	What gets trapped in the atmosphere? Where does it go?			
•	% of the heat trapped in our atmosphere ends up being absorbed into the world's oceans.			
C. Fac	tors of Climate Change:			
•	Why is Carbon Dioxide such an important factor?			
	Most pollutant in the atmosphere.			
	Present in every and thing.			
	Why is human development a factor in climate change? Give three reasons.			
•	· ·			
	o			
_	How are Fertilizers and the Agricultural Industry connected?			
•	Contribute to, which in turn leads to, in our water sources causing, and erosion.			
D. Em	issions:			
•	What were two of the different pollutants that were discussed? & &			
•	One major contributor of levels on earth is cows burping!			
E. Effe	ects:			
•	Agriculture and deforestation both emit about% of greenhouse gas			
	emissions 5			
•	square feet of Arctic summer sea ice melts for every airline passenger who			
	flies miles."			

•	What does LOWERN stand for? What does it help us identify? o L: o O: o W: o E: o R:	
	o <u>N:</u>	
	It identifies what effects the and why.	
	a and Fauna:	
•	In the past years, the US has experienced roughly more large wildfires	
•	every year than the year before. Between 2014 and 2018, the federal government spent an average of	
•	fighting wildfires every year	
•	Estimations suggest that in species will become extinct with severe global	
	warming.	
•	species can adapt faster thanspecies can to warmer	
	temperatures	
G. Eco	onomics:	
•	,, andland use generate about of human	
	GHG emissions (40%+ of methane).	
•	make up% of all US carbon emissions.	
•	Producing the we eat creates nearly% of emissions.	
-	Country:	
•	Why do you think Sweden has so little CO2 emission contribution in comparison to the	
	top three countries?	
	0	
	0	
	Significance of Climate Change	
I.	Significance of Climate Change: Climate justice is the connection between justice & justice in regards	
•	Climate justice is the connection between justice & justice in regards to climate change.	
	describes how climate change is not caused by	
•	a single agent, but by a vast number of individuals and institutions not unified by a	
	comprehensive structure of agency.	
	comprehensive directors of agency.	
3 Impo	ortant Implications:	
•		
1.	Climate change is a phenomenon	
2. Climate change impacts are		
3.	Backloading implies that climate change is aphenomenon	
•	Climate change is often confused with	

•	Climate change is natural, but it is the	of change at which it is currently
	happening which is concerning to scie	ntists now
•	The Tragedy of the is w	hen a resource is shared among many people. I <mark>n</mark>
	the absence of regulation, each individ	lual will have a tendency to exploit the
	to his/her own advantage	ge, typically without limit, depleting the resource.