Topic/Objectives: 15-1 Earth's Atmosphere; (1) Describe the properties of the		Name:		
atmosphere, (2) Identify the four main layers of the atmosphere, (3) Explain		Date:		
heat transfer and the interaction of air masses in the troposphere.		Period:		
Essential Question: How can we	describe Earth's atmosphere?			
	·			
Questions:	Notes:			
	Properties of the Atmosphere			
	 The is composed of nitrogen (78%), oxygen (21%), and 			
	other gases (1%) including carbon dioxide and water vapor.			
	 Water vapor may vary from the maximum amount allowed at the 			
	temperature (
		will vary over Earth's surface because		
	the sun's rays strike some areas more directly than others. •, the force exerted by air on the area			
		the force exerted by air on the area		
	below it, varies by altitude.			
	Layers of the Atmosphere			
	• The is the lowest layer and contains the oxygen we need			
	to live.	yer and contains the oxygen we need		
	 The extends 7-31 m 	illes above sea level and contains the		
	ozone layer, which helps reduce UV ra			
	∘ The extends 31-50 r	miles above sea level and has		
	extremely low air pressure.			
	 The is the top layer 	of Earth's atmosphere and has very		
	high temperatures.			
	The Troposphere and Weather			
	Weather is affected by heat transfer an			
	 Energy from the sun heats Earth's atm 	-		
	Large bodies of air (and		
	one another in temperature, pressure Boundaries between air masses that di			
	boarraaries between an inasses that a	·		
	called a · A	occurs when warmer moister air		
	pushes against a mass of colder, drier a	air – may result in light rain.		
	• A			
		- may result in heavy precipitation and		
	thunderstorms.	,, p, and		

Summary:				