Tonic/Objectives: 15.3 Pollution of the	ha Atmacahara (1) Evalain haw bath natural processor	Name:	
Topic/Objectives: 15-2 Pollution of the Atmosphere; (1) Explain how both natural processes and human activities can cause air pollution, (2) Describe how air pollutants affect human health,			
(3) Explain what causes smog and how temperature inversions affect it and other forms of air		Date:	
pollution, (4) Explain how acid deposition occurs and describe its effects.		Period:	
Essential Question: What are the sources of air pollution?			
Questions:	Notes:		
		e caused by natural processes and	
	human activities.		
	 Natural Processes: Winds sweeping over dry land, volcanic eruptions, forest 		
	fires, etc.	, , , , , , , , , , , , , , , , , , , ,	
	 Human Sources: factory smog, car smog 	g. etc.	
	air pollutants are pollutants released directly into the troposphere (e.g. soot and carbon monoxide). air pollutants are made when primary pollutants react with		
	chemicals already in the air (e.g. ozone and sulfuric acid)		
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-	Air pollutants can damage the	system interfere in ovygen	
	uptake, and cause cancer.	system, interfere in oxygen	
	 Asthma, bronchitis and emphysema ha 	ve all been linked to air pollution	
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	 Carbon monoxide blocks receptors that oxygen binds to, interfering with oxygen uptake. 		
		is a known	
	 Benzene, found in gas and car exhaust, is a known 		
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	Temperature inversions may trap smog in t	ne stratosphere, preventing politition	
	from dispersing.		
	 smog is formed from 	n soot, sultur and water and produced	
	in older industrial technologies.		
		n sunlight reacts with nitrogen oxides	
	and hydrocarbons.		
		ccurs when a layer of cold air is	
	located below a layer of warmer air.		
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	Acid deposition results when products of combustion combine with water,
	oxygen, and other substances in atmosphere.
	• is water vapor that contains acids that
	falls to the ground as rain, snow, sleet or hail.
	 Acid rain is termed for rain that falls below a pH of
	(normal rain pH).
	 Acid deposition starts mainly when sulfur dioxide and nitrogen oxides are put into the
	 Acid deposition kills trees, destroy forests, erode stones and buildings, and
	contaminate drinking water.
Summary:	